Tractel

PART OF ALIMAK GROUP

Catalogue 2025

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www.tractel.com

Company Profile

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

Tractel® 's solutions portfolio comprises of:

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

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

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

Tractel® Values:

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

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1. Lifting equipment

Manual hoists

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Motorised hoists

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Pulleys, blocks and sheaves

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Lifting clamps

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Lifting beams

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Lifting points

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Floor handling equipment

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Material only load arresters

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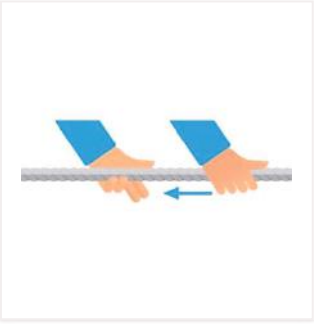
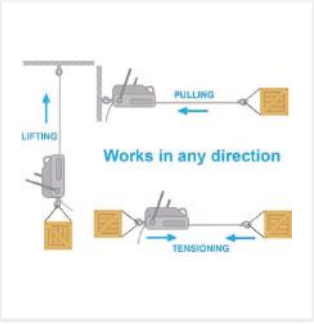
○ Available on request. Please enquire about delivery times for these items.

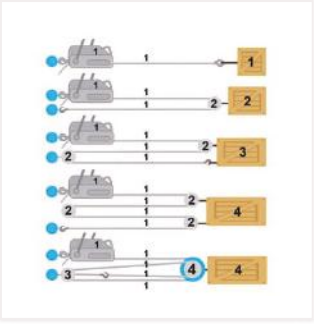
● Order on day 1, shipment no later than day 3 (maximum quantities).

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

Tirfor®







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

The Tirfor principle

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

Multifunctional

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

Safe and reliable

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

Increasing the WLL

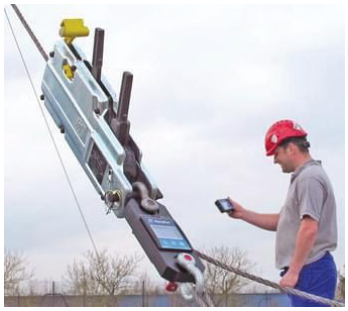
- The Tirfor's WLL can be increased by a factor of 2, 3, 4 or more by using sheave blocks.
- When calculating the WLL for sheaved systems, allow for a WLL loss of 4% per sheave block, caused by friction.

Tirfor T500 series

T508

T516

T532



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

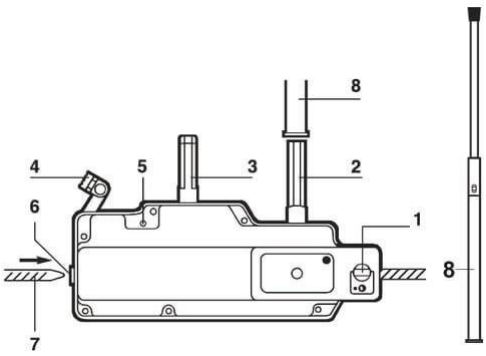
One-man operation by using the telescopic control lever supplied as standard. Spare shear pins for overload protection are supplied as standard.

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

The Tirfor T series for standard applications

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

WLL	Length (mm)	Height (mm)	Depth (mm)	Length With Hook	Wire Rope Diameter (mm)	Lever In/Out (mm)	Movement Back (mm)	Movement Forward (mm)	Weight (kg)	Product Code
800	420	250	99	550	8,3	405/690	46	63	6.6 kg	18109
1,600	523	315	127	650	11,5	650/1150	42	57	13.5 kg	18119
3,200	620	355	130	840	16,3	650/1150	18	36	24 kg	18129



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

Tirfor TU series

TU8

TU16

TU32

The Tirfor TU series is developed for daily heavy-duty applications under the most extreme circumstances.
The Tirfor TU hoist is a versatile and portable multi-purpose manual hoist for lifting, pulling and positioning. It can be used for lifting and pulling, but also for lowering, tensioning and securing loads in all directions.

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

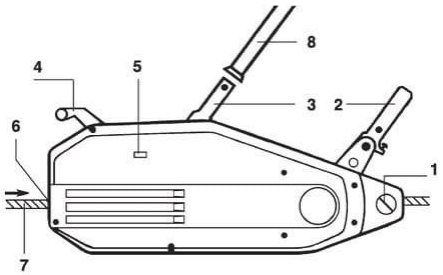
Proven quality for decades, brand name and market leader – often copied never equalled!

TU range fully compliant with EN13157.

Tracinfo is our product information and documentation platform that gives you access to the documents you require wherever you are. Simply use a QR code reader to scan the identification label on the product or packaging to access a micro website specific to the product where you can download documents such as the User Manual or the Declaration of Conformity - direct to your phone, tablet or computer.
New – you can now also register the details of periodic inspections and maintenance work in Tracinfo and get automatic reminders when the next inspection is due.

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

WLL	Length (mm)	Height (mm)	Depth (mm)	Length With Hook	Wire Rope Diameter (mm)	Lever In/Out (mm)	Movement Back (mm)	Movement Forward (mm)	Weight (kg)	Product Code
800	527	265	108		8,3	395/620	70	76	8.4 kg	18009
1,600	660	330	140		11,5	680/1190	56	70	18 kg	18029
3,200	676	330	156	860	16,3	680/1190	30	48	27 kg	18039



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

Maxiflex wire rope

Wire rope is an integral part of every hoist and winch supplied by Tractel (except our chain hoists, of course). Selecting the right wire rope and following a routine maintenance and inspection schedule will ensure that your hoists will operate efficiently for many years.

Using red strand wire rope in all our manual and motorised hoists will ensure the highest level of performance for your equipment. Red stranded wire rope is specially developed and manufactured for use in Tractel products. Proper selection ensures maximum wire rope durability. This is a requirement in situations where the load can spin freely or when reels are used.

- Supplied on transport reel as standard
- Standard version with tip and hook
- Certificate included
- Hook fitted with safety catch
- The desired wire rope length and diameter can be matched to your hoist.

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

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

Coniclamp wire rope clamp

Model	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
EC 10	5 - 10	1,000	1,2	1269
EC 14	10.5 - 14	2,000	2,6	1289
EC 21	15 - 21	3,000	5,4	1309

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 Tirfor

Shear pins for Tirfor

Tirfor are supplied with replacement overload shear pins which are located in the forward lever for the TU Series and in the wire rope release handle for the T500D. Additional shear pins are available and are sold individually.

Model	Product Code
shear pin for T508	29506
shear pin for T516	29516
shear pin for T532	41206
shear pin for TU8 & TU16	8836
shear pin for TU 32	6866

Ground screw anchor

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

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

Ground anchor with pins

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

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

Extension rope

Attach the extension rope to the Tirfor wire rope hook to have quick and easy additional wire rope length

Model	Product Code
Extension rope Ø 8 mm 1 m	187189
Extension rope Ø 11,5 mm 1 m	187199
Extension rope Ø 16 mm 1 m	187209

Hand hasp for wire rope

Reels for easy wire rope storage available for lengths from 25m to 100m

Model	Description			Product Code
reel No. 0 - small	**C8** - 25m max			889
reel No. 1 - standard	**C8** - 26-50m	**C12** - max 25m		909
Reel No. 2 - medium	**C8** - 51-75m	**C12** - 26-50m	**C16** - max 25m	939
reel No. 3 - double	**C8** - 75-100m	**C12** - 51-75m	**C16** - 26-50m	899

Drum reel for wire rope

Drum reel for easy handling of the long wire rope length.

Model	Description			Product Code
drum reel 200	**C8** - 75-150m	**C12** - 51-75m	**C16** - 26-50m	878
drum reel 300	**C8** - 151-200m	**C12** - 76-150m	**C16** - 51-75m	868
drum reel 400	**C8** - 201-300m	**C12** - max 200m	**C16** - max 100m	858

Tirfor box

Model	Product Code
tirfor box for TU8 & T508	1408
tirfor box for TU16 & T516	1298
tirfor box for TU32 & T532	1228

Swivel hook

Model	Product Code
swivel hook for T508 rotatable	21857
swivel hook for T516 rotatable	21867
swivel hook for T532 & TU32, rotatable	21877

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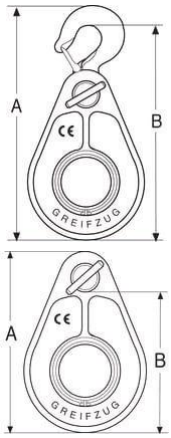
Available on request. Please enquire about delivery times of these items.



Pulley UR

Model	WLL	Sheave Diameter (mm)	Wire Rope Diameter (mm)	Height A	Height B	Weight	Product Code
MCW 2.0W	2	160	10,4	270	228	4.2	87849
MCW 2,0W with hook	2	160	10.4	326	303	2.5	43549
MCW 2.0 M	2	160	10,4	330	298,5	4,15	292889
MC 3.2	3.2	140	12	250	200	2.4	3329
MC 3.2 - with hook	3.2	140	12	340	310	3.4	292899
MC 6.4	6.4	200	16.5	310	250	5.5	31629
MC 6.4 - with eye hook	6.4	200	16,5	480	430	9.5	292909

Model MCW 2.0 M is voorzien van afbreekbeveiliging + ooghaak

EC Snatch Block

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

EH Snatch Block

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

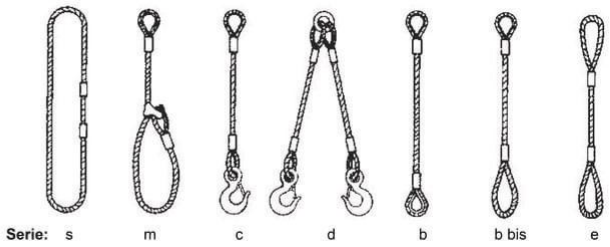
EGZ Snatch blocks for wire rope cables

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

Slings for Tirfor

Model B = wire rope Ø 8.3 mm
Model C = wire rope Ø 11.5 mm
Model D = wire rope Ø 16.3 mm

e.g.: Ce
Model **Serie**
(here Ø 11.5 mm)(here 2 thimbles)



Sling B

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

Sling C

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

Sling D

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

Sling E

Model	Wire Rope Diameter (mm)	WLL	Wire Rope Length (m)	Product Code
E1	10	850	1	10209
E1	14	1,700	1	10559
E1	18	2,800	1	10909
E2	10	850	1	10259
E2	14	1,700	1	10609
E2	18	2,800	1	10959
E3	10	850	1	10309
E3	14	1,700	1	10659
E3	18	2,800	1	11009

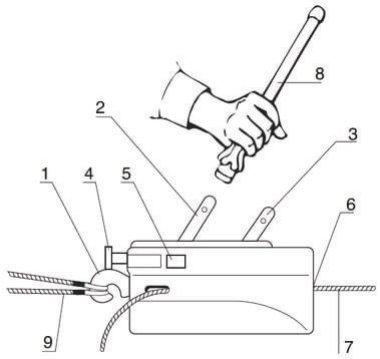
Jockey wire rope hoist

- Equipped with standard accessories
- Unlimited wire rope length
- Reliable and easy to use
- Workload can be increased by using circulation blocks
- Equipped with overload protection
- Spare shear pins for overload protection are supplied as standard

Jockey J3

Jockey J5

Model	WLL	Length (mm)	Height (mm)	Depth (mm)	Wire Rope Diameter (mm)	Movement Back (mm)	Movement Forward (mm)	Lever	Weight (kg)	Product Code
Jockey J3	300	320	200	40	4,7	28	32	400	1.75	5469
Jockey J5	500	310	215	55	6,5	24	34	500	3.75	5479



1. Hook / anchor pin
2. Forward operating lever
3. Reverse operating lever
4. Rope release lever
5. Side buttons
6. Rope guide
7. Wire rope
8. Operating handle
9. Anchor sling

Wire rope Ø 4.7, & 6.5 mm for Jockey

Wire Rope Type	J	K
Description	ø wire rope - 4,7mm for J3	ø wire rope - 6,5mm for J5

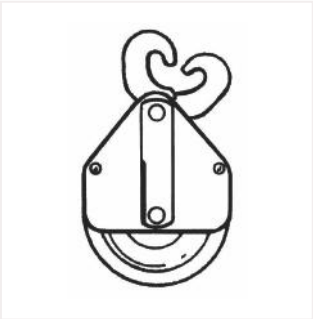
Length	Code	Code
10 m - Standard	5839	7429
20 m	4039	7439
30 m	4059	7489
40 m	4129	7509
50 m	4149	7529
60 m	4159	7539

Maxiflex steel wire can also be ordered per metre. Ask our Customer Service for the possibilities.

Jockey J3 set

Additional equipment for J3 for doubling the load capacity to 0.6 t or for rope deflection

Model	Product Code
Set pulley, sling & rope	13299



Pulley for Jockey

Model	Product Code
Pulley A03	7479

Ground anchor for Jockey

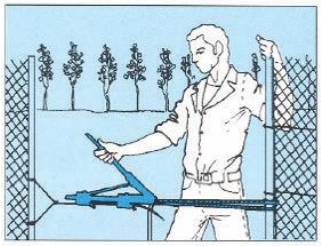
Model	Product Code
Ground anchor for jockey™	5589

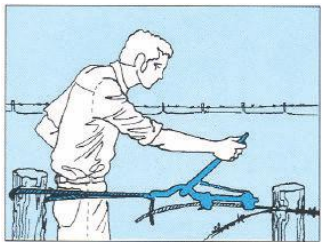
Tirvit rope tensioner

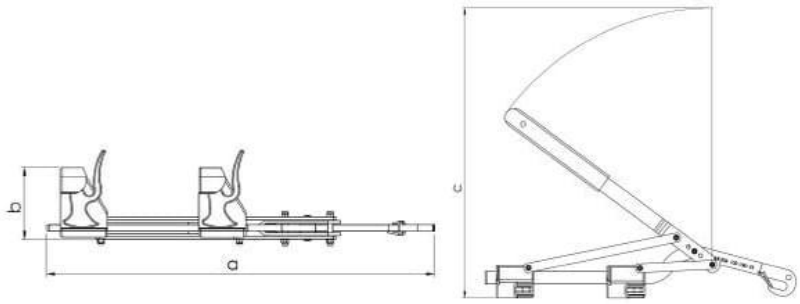
The Tirvit is a hand-operated wire rope tensioner. It is versatile, mobile and multi-purpose, not only for pulling but also for tensioning. The originality of the Tirvit universal wire rope tensioner lies in the principle of operation directly on the steel wire running through the mechanism instead of being wound on a drum of a hoist or conventional winch.

The pulling force is applied through two pairs of self-powered jaws that exert a pressure on the steel wire in proportion to the load to be pulled. An operating lever transfers the force to the jaw mechanism for forward movement of the steel wire.

The universal wire rope tensioner is equipped with a chain so that it can be quickly attached to any suitable anchor point.







Fast and easy tensioning of steel wires such as electric transport cables, telephone cables and fence assembly. Also suitable for pulling loads. Not suitable for hoisting.

- Complete with fastening chain
- Suitable for tensioning steel wires
- Suitable for pulling loads

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

Tirvit tension clamp

Tension clamp with shackle

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

Model	Traction force (kg)	Wire rope diameter (mm)	Productcode
G2	400	6 - 8	1018
G3	600	7 - 15	1028
G4	800	14 - 18	1038

Lever hoists

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

- Permanent load control
- Automatic load brake closure
- Load limiter as option available
- Free wheel system / neutral position: fast and easy pull through of the load chain
- Roller and block chain guides ensuring a smooth chain action through the hoist
- Galvanised fittings, epoxy paint for much greater resistance to aggressive environments
- Forged steel hooks with 360° rotation and overload opening indicators
- Compact and lightweight, simplifying use and transport
- Rubber handle improves grip
- Complies with Machine Directive 2006/42/CE
- Conforms to EN13157 + A1:2009

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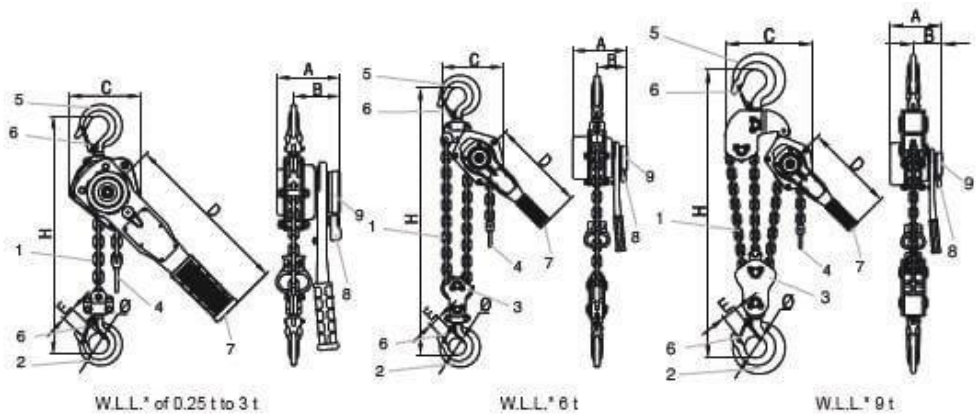
ENdurance EN 13157

Bravo standard lifting height 1.5 m					Additional lifting height	
WLL (t)	Lifting Height (m)	Number of Falls	Load Chain (mm)	Code/Price	Code/Price lifting height 3m	Additional lifting height per metre
0.25	1,5	1	4x12	35919		
0.5	1,5	1	5x15	244029	244099	353760
0.75	1,5	1	6x18	244039	244109	353770
1	1,5	1	6x18	244049	244119	353780
1.5	1,5	1	7x21	244059	244129	353790
3	1,5	1	10x30	244069	244139	353800
6	1,5	2	10x30	244079	244149	353810
9	1,5	3	10x30	244089	244159	353820

More additional lifting heights per metre on request.

Bravo lever hoists dimensions & key components

1. Load chain
2. Lifting hook
3. Sheaved lifting hook
4. Low limit stop
5. Suspension hook
6. Safety catch
7. Actuating handle
8. Selector lever
9. Load wheel



WLL (t)	A	B	C	D	E	Ø	Number of parts	Minimum distance between hook	Max. force on lever (daN)	Weight (kg)
0.25	102,5	77	75	157	20	28	1	230	28	2,1
0.5	107	78	121	288	22	35	1	305	50	5
0.75	149	89	125	268	23	37	1	315	30	7
1	149	89	125	268	27	40	1	320	37	7.3
1.5	175	101	146	368	29	45	1	365	47	11.5
3	205	114	191	348	39	55	1	480	45	21.4
6	205	114	229	348	44	68	2	610	47	30.2
9	205	114	341	348	58	85	3	800	48	56.1

All dimensions are in mm.

Bravo lever hoist with load limiter

Equipped with a dynamic load limiter adjusted between 1.1 and 1.9 × WLL. The mechanism of the force limiter is integrated into the lever and is formed by friction discs and a clamping nut used to adjust the limiter. This adjustment is carried out by Tractel® .

Model	WLL (t)	Number of parts	Force on lever at full load (N)	Load chain	Lifting height (m)	Weight (kg)	Product code
bravo™ desync	0.5 t	1	393	5x15	1,5	5	358720
bravo™ desync	0.75 t	1	233	6x18	1,5	7	358730
bravo™ desync	1	1	310	6x18	1,5	7.3	358740
bravo™ desync	1.5 t	1	400	7x21	1,5	11.5	358750
bravo™ desync	3	1	390	10x30	1,5	21.4	358760
bravo™ desync	6	2	410	10x30	1,5	30.2	358770
bravo™ desync	9	3	430	10x30	1,5	56.1	358780

Model	WLL (t)	Number of parts	Force on lever at full load (N)	Load chain	Lifting height (m)	Weight (kg)	Product code
bravo™ desync	0.5 t	1	393	5x15	3	5.84	358790
bravo™ desync	0.75 t	1	233	6x18	3	8.2	358800
bravo™ desync	1	1	310	6x18	3	8.5	358810
bravo™ desync	1.5 t	1	400	7x21	3	13.12	358820
bravo™ desync	3	1	390	10x30	3	24.75	358830
bravo™ desync	6	2	410	10x30	3	36.9	358840
bravo™ desync	9	3	430	10x30	3	66.1	358850

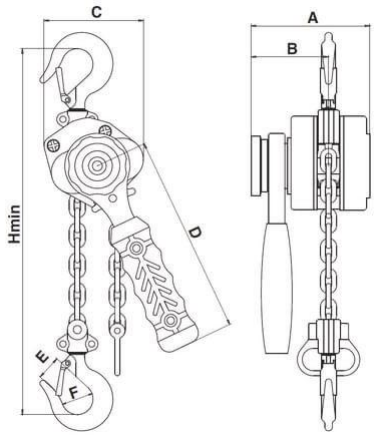
Bravo AC aluminium lever hoists

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

- Aluminium casings
- Compact and lightweight
- Corrosion resistance
- Galvanized chain steel lifting
- Swivel and painted hook
- Pull-through feature to quickly adjust the load chain
- Easily portable for use anywhere
- Carry bag with belt loop

Model	WLL (t)	Lifting height (m)	Force on lever at full load (N)	Load chain (kg)	Weight
Bravo AC 250 kg	0.25 t	1,5	4 x 12	2.1	251129
Bravo AC 250 kg	0.25 t	3	4 x 12	2.6	251139
Bravo AC 500 kg	0.5 t	1,5	5 x 15	3	251149
Bravo AC 500 kg	0.5 t	3	5 x 15	3.8	251159

Bravo AC lever hoist dimensions & components



WLL	A	B	C	D	E	Ø	Minimum distance between hook	Max. force on lever (daN)
0.25 t	94.5	59.5	84	163	24		230	20.6
0.5 t	100	61	99	163	24		265	25.5

All dimensions are in mm.

Accessories for Bravo

CLD Chain locking device

The CLD chain locking device acts as an adjustable limit on the Bravo & Tralift lever hoist when lowering the load.
The chain locking device can be used with Bravo lever hoists for load lifting, load pulling and rope tensioning applications.

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

Model	Product Code
250 kg and 500 kg	196438
750 kg and 1 ton	196448
1.5 ton	196458
3.6 ton and 9 ton	196468

Stainless steel manual chain hoists

Tralift Cleantech

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

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

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

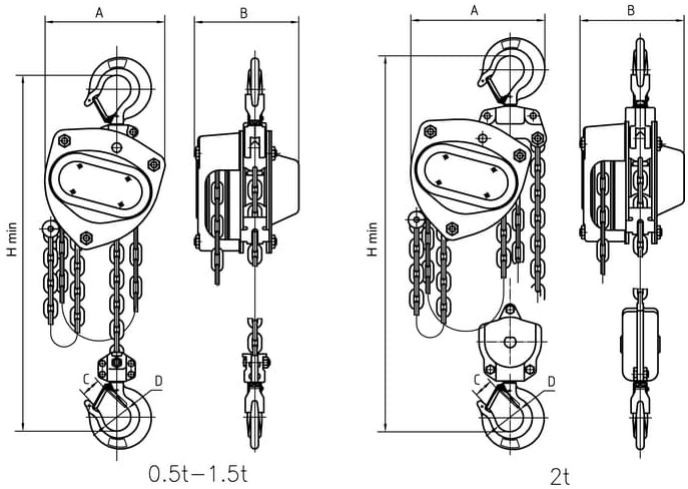
The encased gears and brake are made of carbon steel.

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

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

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

Tralift Cleantech dimensions and main components



WLL (t)	Number of parts	A	B	C	D	Min. hook distance	Effort on the hand chain	Load chain (mm)	Hand chain (mm)	Weight (t)
0.5 t	1	172	151	26	40	376	15	6x18	5x23.3	13
1 t	1	172	151	26	40	376	31	7x21	5x23.3	14
2 t	2	192	151	34	50	425	34	7x21	5x23.3	21

Corso cleantech trolley

Corso Cleantech stainless steel trolley

The Corso Cleantech trolley is:

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

TECHNICAL CHARACTERISTICS

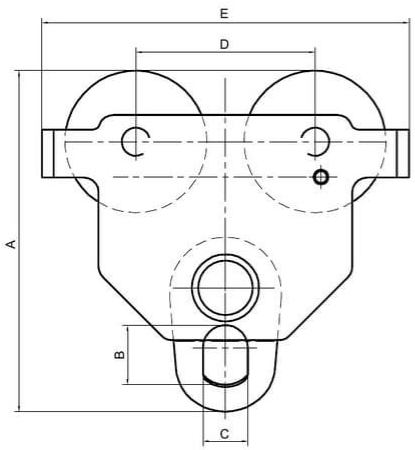
- compact and light device,
- device mainly made up of stainless steel components,
- stainless steel wheels mounted on ball bearings greased for life,
- stainless steel side plates with end bumpers and fall arrest device,
- hanger bar with adjustment spacers, locking nuts and safety pins,
- designed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

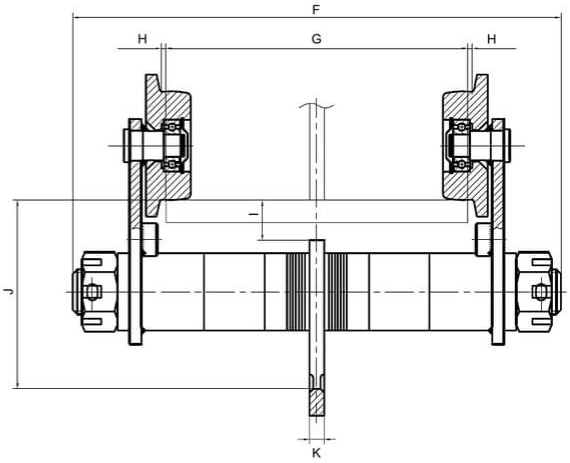
STANDARDS

The devices Corso Cleantech conforms to:

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

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





Stainless steel manual chain hoist

Tralift Duratech

Tralift Duratech chain hoists are engineered for operation in low corrosive environments with exposure to aggressive substances. Designed specifically for industries like sanitation, chemicals, and vineyards, Tralift Duratech ensures reliable performance even in harsh conditions.

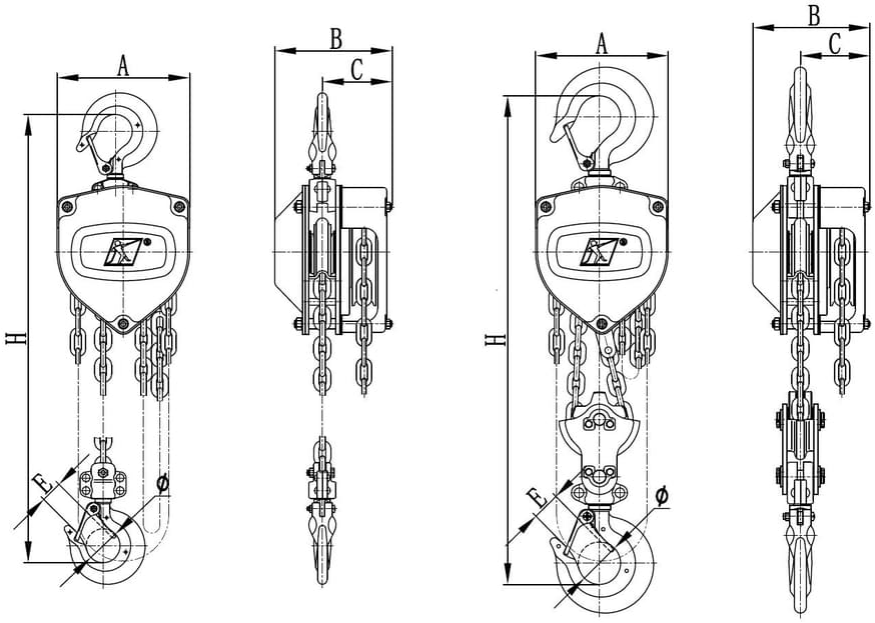
Created by combining a standard Tralift body and operating chain with a robust stainless steel load chain and lifting hook, these hoists guarantee longevity and efficiency. The unique feature of Tralift Duratech lies in its ability to facilitate effortless cleaning of the lifting chain and hook, allowing for regular maintenance and intensive cleaning.

Compatible with our versatile Corso trolley range, these hoists provide a comprehensive lifting solution tailored to your specific needs.

NEW

WLL	Lifting Height (m)	Number of Falls	Load Chain (mm)	Hand Chain (mm)	Code standard lifting height 3m	Price	Code lifting height 1 m	stainless steel load chain per m	Hand chain per m
0.5 t	3	1	6x18	5x24	299169		299199	288027	238347
1 t	3	1	7x21	5x24	299179		299209	288037	238347
2 t	3	2	7x21	5x24	299189		299219	288047	238347

Tralift Duratech dimensions and main components



WLL	Number of Falls	A	B	C	Ø	Hook Distance (mm)	effort on the hand chain	Load Chain (mm)	Hand Chain (mm)	Weight (kg)
0.5 t	1	156	139	26	40	350	36.5	6x18	5x24	12.4
1 t	1	178	154	26	40	400	40.3	7x21	5x24	16.5
2 t	2	178	154	34	50	550	40.3	7x21	5x24	24.2

All dimensions are in mm.

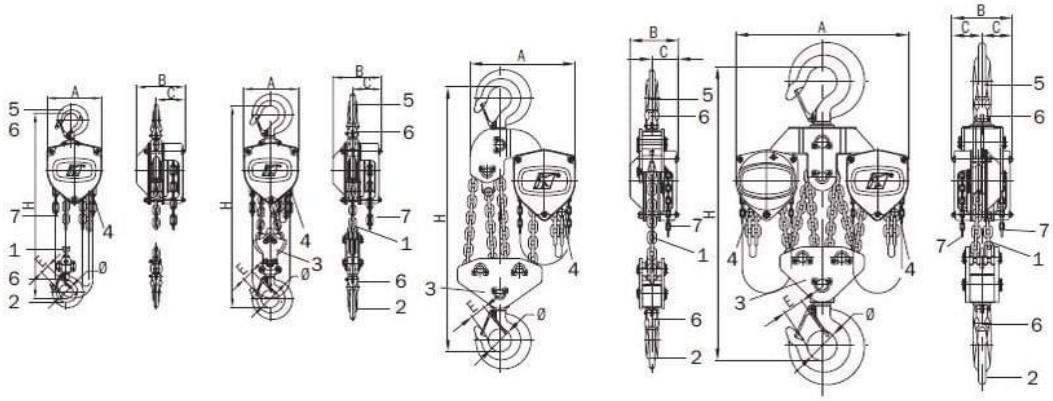
Manual chain hoists

The Tralift manual hand chain hoist has a unique Tractel design which is compact, light yet robust, able to tackle the most extreme lifting conditions.
Ideal for rental fleets, industrial and construction application. Tractel also offer Tralift in black format for the entertainment industry.
Certified by TÜV Rheinland to EN13157 for capacities 500kg and above when fitted with Corolim Grade 8 EN818-7 load chain which also offers excellent corrosion protection.

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

Tralift dimensions and components

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



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

WLL (t)	A	B	C	D	Ø	Number of parts	Min. hook distance	Weight (kg)
0.25	100	110	58	20	28	1	230	3,7
0.5	132	117.5	70.5	22	35	1	330	9
1	156	139	83.5	27	40	1	380	12.4
1.5	178	154	87	29	45	1	430	16.5
2	196	156.5	89.5	33	50	1	470	19.6
2	156	139	83.5	33	50	2	520	17.2
3	178	154	87	39	55	2	600	24.2
5	229	180	99	44	68	2	700	42
10	391	180	99	58	85	4	920	85.1
20	641	224	112	77	110	8	1060	165.1

All dimensions in mm.

Tralift hand chain hoist with Corolim chain

Tralift, standard lifting height 3 m						Additional lifting heights	
WLL (t)	Lifting height (m)	Number of Falls	Load Chain (mm)	Hand Chain (mm)	Code/Price	Code/Price lifting height 6m	Additional lifting height per metre
0.25	-	1	4x12	-	56429	75779	
0.5	3	1	5x15	5x24	272269	272539	353830
1	3	1	6x18	5x24	272279	272549	353840
1.5	3	1	7x21	5x24	272289	272559	353850
2	3	1	8x24	5x24	272309	272579	353860
2	3	2	6x18	5x24	272299	272569	353870
3	3	2	7x21	5x24	272319	272589	353880
5	3	2	10x30	5x24	272329	272599	353890
10	3	4	10x30	5x24	272339	272609	353900
20	3	8	10x30	5x24	272349	272619	353910

More additional lifting heights per metre on request.

Tralift manual hoist with load limiter

Model	WLL (t)	Number of parts	Load chain	Lifting height (m)	Weight (kg)	Product code
tralift™ 0,5t 3m 1 fall new design load limiter	0.5	1	5x15	3	9	358860
tralift™ 1t 3m 1fall new design load limiter	1	1	6x18	3	12.4	358870
tralift™ 1,5t 3m 1fall new design load limiter	1.5	1	7x21	3	16.5	358880
tralift™ 2t 3m 1fall new design load limiter	2	1	8x24	3	19.6	358890
tralift™ 2t 3m 2falls new design load limiter	2	2	6x18	3	17.2	358900
tralift™ 3t 3m 2falls new design load limiter	3	2	7x21	3	24.2	358910
tralift™ 5t 3m 2falls new design load limiter	5	2	10x30	3	42	358920
tralift™ 10t 3m 4falls new design load limiter	10	4	10x30	3	85.1	358930
tralift™ 20t 3m 8falls new design load limiter	20	8	10x30	3	165.1	358940

Carol manual winches

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

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

carol TS series

Model	WLL*	Wire rope diameter (mm)	Max. force on lever (daN)	Capacity wire rope	Wire rope length always wound on the drum (m)	Dimensions (mm)	Weight (kg)	Product Code
TS 250	250	5	11	15	0,6	206 x 140 x 142	9.5	23818
TS 500	500	7	14	18	0,7	233 x 162 x 175	15	23828
TS 1000	1,000	9	14	30	1,0	322 x 302 x 302	38	23838
TS 1500	1,500	11.5	14	23	1,0	370 x 350 x 330	41.5	23848
TS 2000	2,000	13	14.5	17	1,2	420 x 356 x 390	70	23858
TS 3000	3,000	16	15	18.5	1,7	530 x 480 x 450	150	23868

*WLL on the first and last layer

Carol TR series

Model	WLL*	Wire rope diameter (mm)	Max. force on lever (daN)	Capacity wire rope	Wire rope length always wound on the drum (m)	Dimensions (mm)	Weight (kg)	Product Code
TR 300	300	5	12.5	38	0,75	249 x 124 x 190	15,5	23778
TR 500	500	7	12.5	18	0,75	249 x 162 x 175	16	23788
TR 1000	1,000	9	14.5	30	1,00	410 x 180 x 305	44.5	23798
TR 2000	2,000	13	16.5	25	1,20	510 x 248 x 360	80	23808

*WLL on the first and last layer

Anti spin wire ropes for Carol drum winches

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

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

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

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

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

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

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

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

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

Minifor

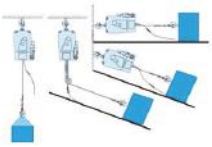
High performance portable electric rope hoists, for work at any height

The operating principle

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

Properties:

- Loads of 100 kg to 1100 kg possible
- Quick and simple to install
- 3phase current or alternating current
- With operation using a pendant control or radio remote control
- Galvanized wire rope Ø 6.5 mm



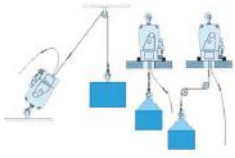
Typical applications

Safety:

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

Advantages:

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



Typical applications

Minifor TR serie

Minifor offers a compact, portable motorised solution for lifting, pulling and positioning loads

- Unlimited wire rope length and therefore unlimited lifting height
- WLL from 110 kg to 1100 kg
- Compact, manageable and low self-weight.
- Unique lifting capacity/self-weight ratio.
- Handle for easy carrying
- Power supply 115V and 230V Single or 400V 3 Phase
- Wire rope or kernmantle textile 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 increased by using optional sheaving kit
- Upper and lower limit switches
- Optional reelers
- Optional remote control with range up to 500 m
- IP55 protection

Minifor with hard wired pendant control box

Model	WLL	Forward Speed (m/min)	Voltage (V)	Number of Phases	Power (kW)	Weight (kg)	Product Code
TR10	100 kg	15	230	1 (monophased)	0,37	21 kg	42789
TR30	300 kg	5	230	1 (monophased)	0,37	21 kg	42889
TR30S	300 kg	13	230	1 (monophased)	1,1	32 kg	42989
TR30S	300 kg	13	400	3 (triphased)	1,1	28 kg	44779
TR50	500 kg	7	230	1 (monophased)	1,1	32 kg	44849
TR50	500 kg	7	400	3 (triphased)	1,1	28 kg	44899

Minifor with plug in pendant control box

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

Minifor with Standard Range remote control

Free-field range 100 m

Model	WLL	Forward Speed (m/min)	Voltage (V)	Number of Phases	Power (kW)	Weight (kg)	Product Code
TR30S	300 kg	13	230	1 (monophased)	1.1	33	278099
TR50	500 kg	7	230	1 (monophased)	1.1	33	286749

Minifor with Long Range remote control

Free-field range 400m

Model	WLL	Forward Speed (m/min)	Voltage (V)	Number of Phases	Power (kW)	Weight (kg)	Product Code
TR10	100 kg	15	230	1 (monophased)	0,37	24	42799
TR30	300 kg	5	230	1 (monophased)	0,37	24	42899
TR30S	300 kg	13	230	1 (monophased)	1,1	37	44759
TR30S	300 kg	13	400	3 (triphased)	1,1	33	44789
TR50	500 kg	7	230	1 (monophased)	1,1	37	44879
TR50	500 kg	7	400	3 (triphased)	1,1	34	44919
TR55	550 kg	7	230	1 (monophased)	1,1	32	286879
TR55	550 kg	7	400	3 (triphased)	1,1	32	286899
TR110	1,100	3,5	230	1 (monophased)	1,1	32	286919

Minifor TR Series with plug-in control box and spring-loaded reel

Model	WLL	Forward Speed (m/min)	Voltage (V)	Number of Phases	Weight (kg)	Product Code
TR10 - 20m	100 kg	15	230	1 (monophased)	38	279599
TR30 - 20m	300 kg	5	230	1 (monophased)	38	279629
TR10 - 27m	100 kg	15	230	1 (monophased)	42	279609
TR30 - 27m	300 kg	5	230	1 (monophased)	42	279639
TR10 - 40m	100 kg	15	230	1 (monophased)	42	279619
TR30 - 40m	300 kg	5	230	1 (monophased)	42	279649

Minifor TR Series with spring drum reel and radio control

Model	WLL	Forward Speed (m/min)	Voltage (V)	Number of Phases	Weight (kg)	Product Code
TR10 - 20m	100 kg	15	230	1 (monophased)	41	279659
TR30 - 20m	300 kg	5	230	1 (monophased)	41	279689
TR10 - 40m	100 kg	15	230	1 (monophased)	42	279679
TR30 - 40m	300 kg	5	230	1 (monophased)	42	279709

Pendant control

(standard 2,5m)

If you require a different length to the standard 2.5 m, please order using the below Product Codes in addition to the Minifor Product Code. Your product will be equipped with the requested length at the factory.

Example:

I want a TR30 with wired control panel and control length of 15m. Then I need to order:

- 1x code 42889 - TR30 with wired control panel
- 1x code 359160 - Control cable extension from 10m (TR10/TR30)
- 15x code 359200 - Control length (per metre)

Model	Product Code
(Fixed) Control cable extension up to 10m	359150
(Fixed) Control cable extension from 10m (TR10/TR30)	359160
(Fixed) Control cable extension from 10m (TR30S/TR50)	359170
Operating length (per metre)	359200

Plugable pendant control

(standard 2,5m)

If you require a different length to the standard 2.5 m, please order using the below Product Codes in addition to the Minifor Product Code. Your product will be equipped with the requested length at the factory.

Example:

I want a TR30 with plug-in control panel and control length of 15m. Then I need to order:

- 1x code 279729 - TR30 with plug-in control panel
- 1x code 359190 - Control cable extension from 10m
- 15x code 359200 - Control length (per metre)

Model	Product Code
(Plug-in) Control cable extension up to 10m	359180
(Plug-in) Control cable extension from 10m	359190
Operating length (per metre)	359200

Control cable extension

With Minifor extension cable, you can increase the operating length of Plug-in control panel. The extension cable is inserted between the Minifor and the existing Plug-in control panel via plugs.

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

Different cable lengths
Different cable lengths can be assembled based on the codes below.

Example:
I want to have an extension cable of 8 metres.
Then I need to order:

- 1x code 359210 - Extension cable up to 10m
- 8x code 359200 - Extension cable (per metre)

Model	Product Code
Extension cable up to 10 m - with Harting plug	359210
Extension cable from 10 m - with Harting plug	359220
Operating length (per metre)	359200

Pendant Extension

With extended pendant for Minifor, you can increase the operating length of a Minifor with a Plug-in control panel. The extended handle is connected directly to the Minifor plug via a plug.

Model	Product Code
10 m pendant extension with Harting connector	463340
20 m pendant extension with Harting connector	463250
30 m pendant extension with Harting connector	463330

Different cable lengths
Different cable lengths can be assembled based on the codes below.

Example:
I want to have an extended pendant of 12 metres.
Then I need to order:

- 1x code 359240 - Extension cable from 10m
- 12x code 359200 - Extension cable (per metre)

Model	Product Code
Extension pendant up to 10 m - with Harting plug	359230
Extension pendant from 10 m - with Harting plug	359240
Operating length (per metre)	359200

Minifor TR series accessories

Sheaving kit for Minifor

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

ELC - ELS pulleys

This lightweight & compact pulley (1t) is ideal for use in Offshore applications or together with the Minifor hoist. The pulley is designed to be as compact as possible for use in lift cages, to install the lift motor.

- For temporary lifting of cables
- Allows quick assembly/disassembly or configuration changes
- Two versions, ELC and ELS with safety hook (but less compact)

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

Box for Minifor TR

Model	Product Code
Box for Minifor with rope - 580x375x355	60665
Box for Minifor TR 10/TR 30	60485
Box for Minifor TR 30S/TR 50	102715

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.

Wire rope for Minifor (Ø 6,5 mm)

Supplied on a transport reel as standard. Also available on a drum reel and in non-standard lengths on request. The Ø 6.5 mm wire rope has a hook with safety catch on one side and a tip on the other side. Supplied on a winding reel up to 60 metres and for 100 metres on a hand reel.

- Minimum breaking load: 2,800 daN
- Supplied on transport reel as standard
- Certificate included
- Standard version with tip and hook
- Hook fitted with safety catch
- Different lengths available

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

Model	Length (m)	Product Code
Red strand wire rope 10 m	10	108749
Red strand wire rope 20 m	20	60999
Red strand wire rope 30 m	30	61009
Red strand wire rope 40 m	40	61989
Red strand wire rope 50 m	50	61019
Red strand wire rope 60 m	60	61029
Red strand wire rope 100 m	100	61049
Fitting tip hook for red strand wire rope Ø 6,5 mm	-	185999

Limit springs

The limit spring activates the upper and lower limit switches.

Model	Product Code
limit spring rope Ø 6,5 mm	22217
limit spring rope Ø 5 mm	22097

Wire rope counterweight

A wire rope counterweight is needed to ensure the wire rope tension for wire ropes with length bigger than 80 m.

Model	Product Code
Rope mass (rope > 80 m)	49005

Reels

Reels are intended to store the wire rope when it isn`t in use.

Model	Product Code
Hand reel for wire ropes up to 50 m	889
Drum reel for wire ropes up to 50 m	22107
Drum reel for wire ropes up to 200 m	878

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 torque is steady and speed is also stable at 30 m/min. The motor integrated brake makes it intrinsically safe in operation. The Minifor TR125 SY hoist is available with different voltages and is suitable for various applications. It is operated through a push button pendant control. As an option, the Minifor TR125 SY hoist can be equipped with a wireless remote control.

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

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

Minifor SY series accessories

Kernmantel rope for Minifor

The kernmantle 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. Maximum length 200 m. The rope can be identified by a blue braided cable. The core has a ribbon with a Tractel marking.

- Durable
- Available in various lengths

Model	Product Code
Kernmantle rope ø 9.4mm, length 20m, hook with safety catch	187228
Kernmantle rope ø 9.4mm, length 20m, self-locking hook	187268
Kernmantle rope ø 9.4mm, length 20m, self-locking swivel hook	187248
Additional rope	238587

Drum reel for kernmantle rope

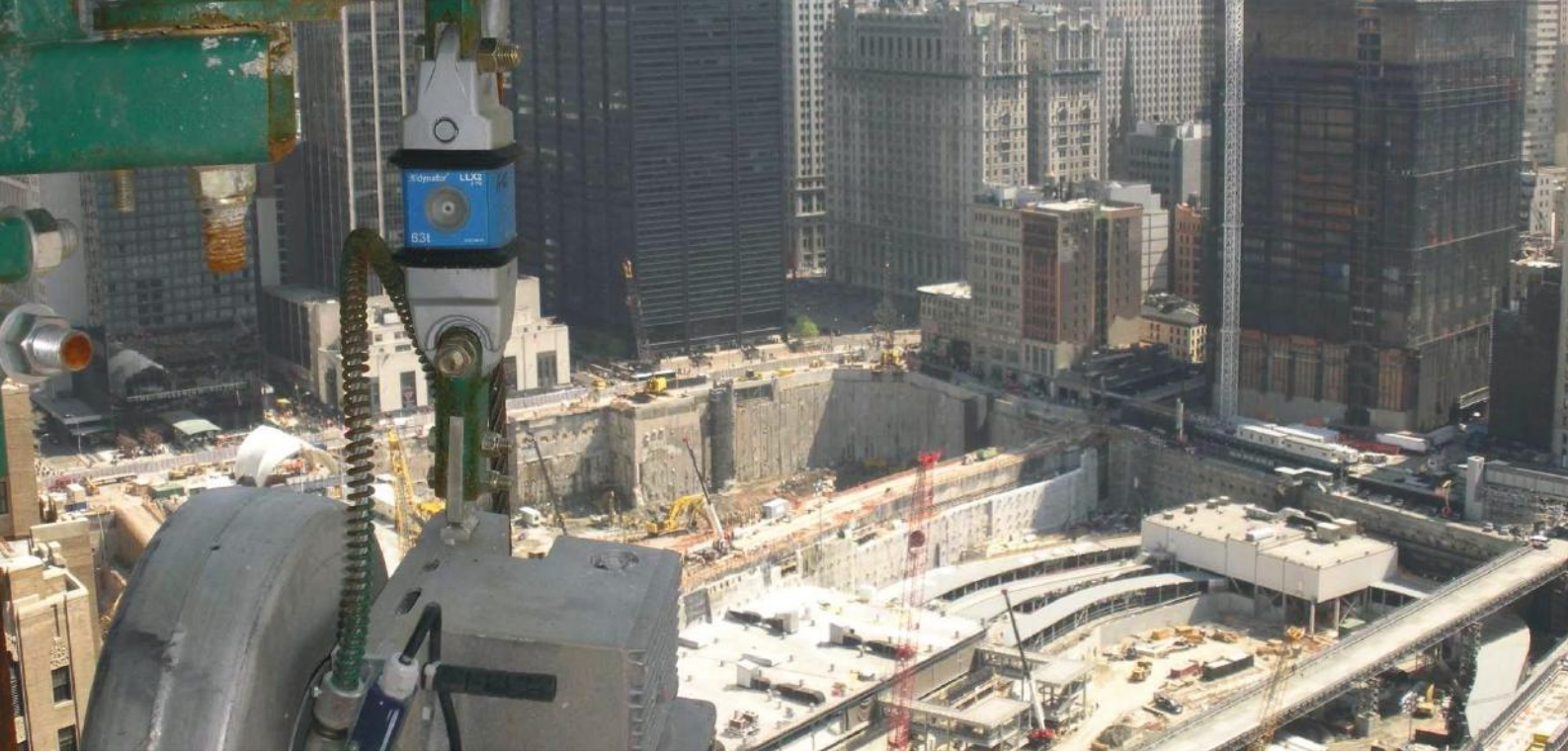
Model	Product Code
plastic reel, up to 100 m	143865
plastic reel, up to 200 m	143875
Metal drum reel, up to 200 m	187278

Sheaving kit for Minifor

Model	Product Code
Sheaving Kit MPM	217877

Box for Minifor SY

Model	Product Code
Metal transport box	60665
Plastic transport box	231917



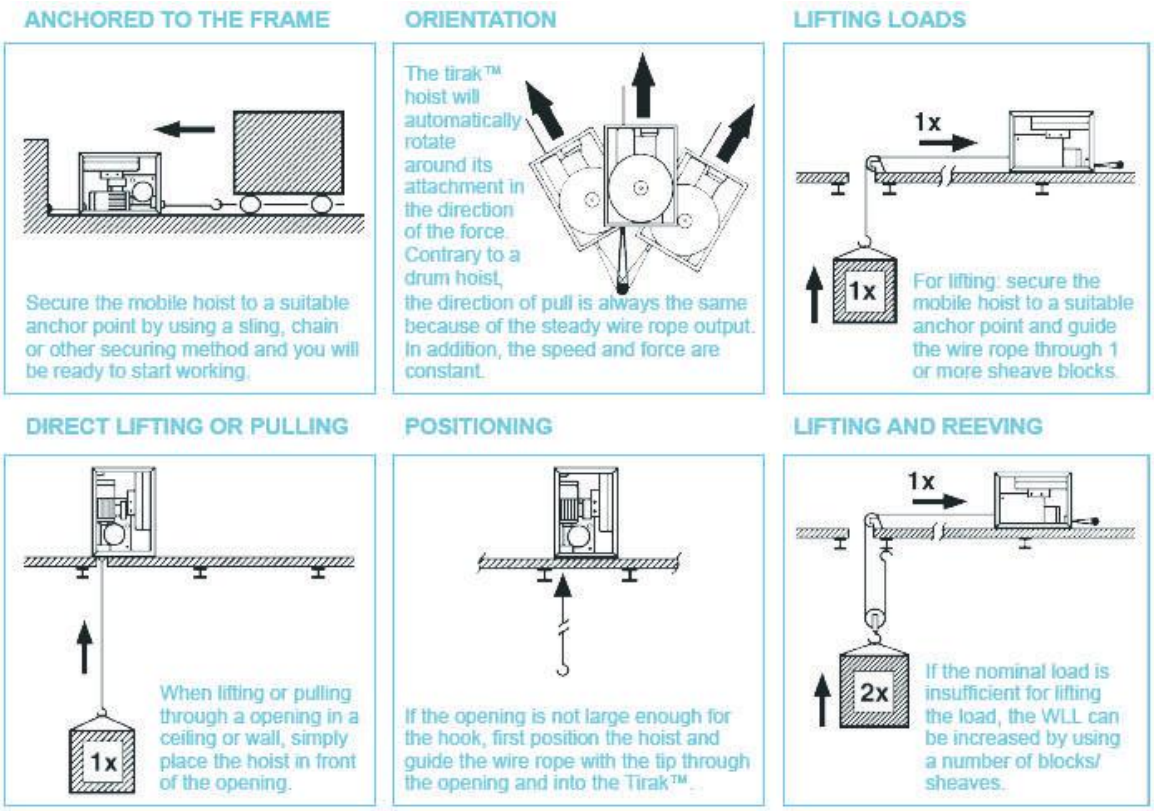
Tirak

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

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

The compact dimensions and low weight enable easy handling and simplify the integration of the Tirak hoist into your own applications, thus increasing productivity and efficiency.
An Increase of load capacity is possible by using reeving pulleys

Tirak application & Coding



TYPE CODING STRUCTURE, INFINITE POSSIBILITIES

CUSTOMISATION

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

L 500P
XA 502P
X 1532

Tirak[T]-Type
L = 1 driver disc (lightweight)
X = 1 driver disc
T = 2 driver discs

Version
P = Man riding
A = Air operated
D = Dual wire rope Tirak

Capacity [kg]

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

Rope - Ø [mm]

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

Working speed [m/min]

	Kind of motor*	50 Hz	60 Hz	for X 2000 / 3000 50 Hz	for X 2000 / 3000 60 Hz
0 =	3 Ph	9	11	6	7
	or air motor or hydraulic motor				
2 =	3 Ph	18	22	12	14
3 =	3 Ph	9/18	11/22	6/12	7/14
4 =	3 Ph	4.5	5,5	4.5	5.4
5 =	3 Ph	4.5/9	5.5/11	3/6	3.5/7
6 =	3 Ph	4.5/18	5.5/22	3/12	3.5/14
7 =	3 Ph	variable speed (0 to 9 / 18 / 30)			
1=	1 Ph	9	11	——	——

Kind of motor*:
3 Ph = 3 phase motor
1 Ph = single phase motor

[1)] For Material application only

Tirak hoist for material handling

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

The T-series

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

The X-series

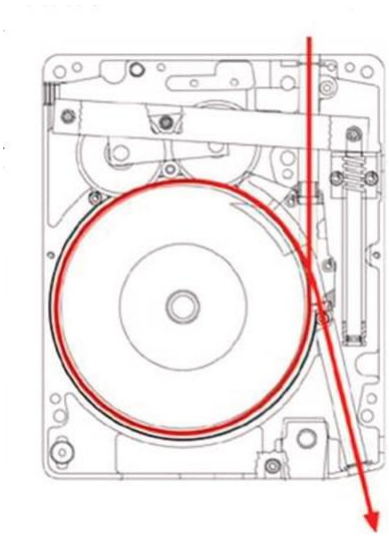
The X-series is the ideal solution for applications that require lifting in only one direction. Built using a single traction sheave, the X-series allows for easy maneuvering of heavy loads.

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

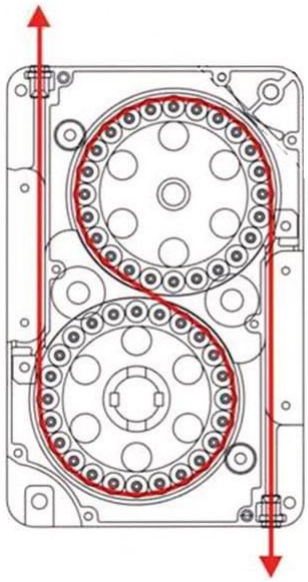
- Quality: combining proven technology with state-of-the-art production methods. Robust, powerful and easy to transport, the Tirak provides the ultimate in efficiency and durability, even in harsh working conditions
- Reliability: low cost of ownership thanks to its unique design and the extremely gentle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

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

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



X-Serie



T-Serie

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.

Tirak hoist for material handling with remote control

X300

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

X400

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

X500

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

Infobox:
- Remote control pluggable or wired comes with 3m cable
- Upper limit switch built-in on Tirak and wired
- Supplied with 1m power cable

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.

Tirak hoist for material handling with remote control

X600

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

X800

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

X1000

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

Infobox:
- Remote control pluggable or wired comes with 3m cable
- Upper limit switch built-in on Tirak and wired
- Supplied with 1m power cable

Tirak hoist for material handling with remote control

X1000

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

X3000

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

T1000

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

Infobox:
- Remote control pluggable or wired comes with 3m cable
- Upper limit switch built-in on Tirak and wired
- Supplied with 1m power cable

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.

Tirak accessories

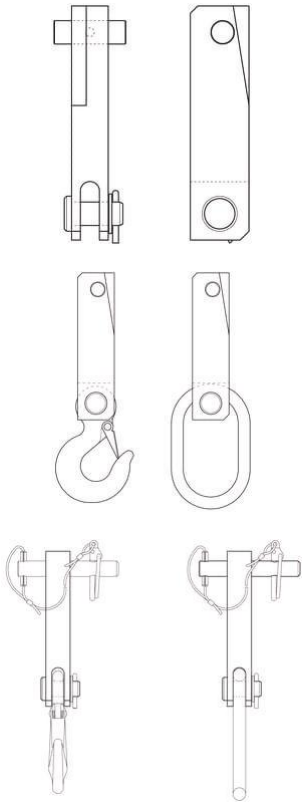
Transport trolley for Tirak

- Transport trolley for Tirak series X500, X700, X800, X1000, X1530.
- Ergonomic and light, the trolley allows Tirak to be transported by only one person on any type of terrain.
- Adjustable handle to allow a perfect transport within a range of 1.000 to 1.300 mm high.

This compact solution allows it to be left on the Tirak when in operation.
The wheels and their removable shafts allow the trolley to be left and used on the tirak™ within limited space.

- Trolley dimensions: 1130x550x400mm (HxWxL)
- Weight: 8,8 kg
- Off-road wheels: 260x85mm (three-wheel solution can be ordered as an option)
- Handle bar: 1.000 – 1.300 mm high

Model	Product Code
transport trolley for Tirak	247329



Suspension Adapters for Tirak Hoists

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

Tirak packaging

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

Tirak accessories

Maxiflex wire rope

The Maxiflex wire rope has been specially developed for optimal and Tractel-guaranteed use in combination with Tirak hoists in the most extreme conditions. Supplied on a transport reel as standard.

- Specially developed for Tirak
- Supplied on transport reel as standard
- Including certificate
- Standard version with tip and hook
- Hook fitted with safety catch
- Also available on a drum reel on request and available in any wire rope length.

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

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.

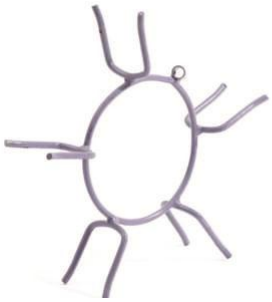
- Non-rotating rope for non-guided loads
- Developed especially for Tirak
- Including certificate
- Available in any required length
- Standard version with tip and hook
- Hook with safety catch
- Also available on a drum reel and available in any required length

Model	Description
Wire rope 8.3mm	Ordered per metre
Wire rope 9.5mm	Ordered per metre
Wire rope 10.2mm	Ordered per metre
Wire rope 14.3mm	Ordered per metre

Drum reel for wire rope

Model	Product Code
reel No. 0 - small	889
reel No. 1 - standard	909
Reel No. 2 - medium	939
reel No. 3 - double	899
drum reel 200	878
drum reel 300	868
drum reel 400	858

reel



drum reel

	Wire rope diameter and capacity per metre					
Type:	6mm	8mm	9mm	10mm	14mm	Code:
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.

Tirak mobile hoist

Tirak hoists can be equipped with a mobile frame in order to provide them with better protection against day-to-day damage or for easier transport.
This simplifies the handling of larger hoists or models fitted with a wire rope reeler, in particular, and reliably protects the Tirak against hard impacts. A separate wire rope reeler can also be integrated into the frame if especially long ropes need to be wound up or stored.

Frame with 60m reel X300 - X400 (code 39389)

Model	Wire rope length (m)	Wire rope diameter ø (mm)	WLL (kg)	Lifting speed (m/min)	Voltage (V)	Frequency (Hz)	Tension (A)	Weight (kg)	Product code
X300	60	8	300 kg	9	400	50	1,4	60	188909
X302	60	8	300 kg	18	400	50	3	60	188919

Frame with 60m reel X500 - X800 (code 39399)

Model	Wire rope length (m)	Wire rope diameter ø (mm)	WLL (kg)	Lifting speed (m/min)	Voltage (V)	Frequency (Hz)	Tension (A)	Weight (kg)	Product code
X500	60	8	500 kg	9	400	50	1,6	75	188939
X503	60	8	500 kg	9/18	400	50	2,5/3,4	85	188969
X504	60	8	500 kg	4,5	400	50	2,5	75	188929
X505	60	8	500 kg	4,5/9	400	50	3,3/3,6	85	188949
X506	60	8	500 kg	4,5/18	400	50	2,0/5,5	85	188959
X800	60	8	800 kg	9	400	50	2,6	80	188989
X803	60	8	800 kg	9/18	400	50	2,6/4,8	85	189019
X804	60	8	800 kg	4,5	400	50	3,6	80	188979
X805	60	8	800 kg	4,5/9	400	50	3,2/4,4	85	188999
X806	60	8	800 kg	4,5/18	400	50	3,8	105	189009

Frame with 60m reel X1020 - X1530 (code 34398)

Model	Wire rope length (m)	Wire rope diameter ø (mm)	WLL (kg)	Lifting speed (m/min)	Voltage (V)	Frequency (Hz)	Tension (A)	Weight (kg)	Product code
X1020	50	9	980 kg	9	400	50	4	80	189039
X1023	50	9	980	9/18	400	50	5,5 & 9,0	90	189069
X1024	50	9	980 kg	4,5	400	50	2,2	85	189029
X1025	50	9	980 kg	4,5/9	400	50	1,8/2,7	90	189049
X1026	50	9	980 kg	4,5/18	400	50	1,8/2,7	105	189059
X1530	40	10	1,500 kg	9	400	50	2,5	85	189079

Frame with 110m reel X2050 - X3050 (code 30188)

Model	Wire rope length (m)	Wire rope diameter ø (mm)	WLL (kg)	Lifting speed (m/min)	Voltage (V)	Frequency (Hz)	Tension (A)	Weight (kg)	Product code
X3050	110	14	3,000 kg	6	400	50	6	200	214719
X3052	110	14	3,000 kg	12	400	50	5,8	225	189099

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.

Tirak mobile hoist

For material transport

Frame with 500m reel X500 - X800 (code 32588)

Model	Wire rope length (m)	Wire rope diameter ø (mm)	WLL (kg)	Lifting speed (m/min)	Voltage (V)	Frequency (Hz)	Tension (A)	Weight (kg)	Product code
X500	500	8	500 kg	9	400	50	2	115	189119
X503	500	8	500 kg	9/18	400	50	4,5/8,7	125	189149
X504	500	8	500 kg	4,5	400	50	4	115	189109
X505	500	8	500 kg	4,5/9	400	50	3,2/4,4	125	189129
X506	500	8	500 kg	4,5/18	400	50	2,2/5,2	125	189139
X800	500	8	800 kg	9	400	50	1,9	120	189169
X803	500	8	800 kg	9/18	400	50	4,5/8,7	125	189199
X804	500	8	800 kg	4,5	400	50	4,2	120	189159
X805	500	8	800 kg	4,5/9	400	50	1,8/2,6	125	189179
X806	500	8	800 kg	4,5/18	400	50	3,0/4,9	145	189189

Frame with 500m reel X1020 - X1530 (code 32598)

Model	Wire rope length (m)	Wire rope diameter ø (mm)	WLL (kg)	Lifting speed (m/min)	Voltage (V)	Frequency (Hz)	Tension (A)	Weight (kg)	Product code
X1020	400	9	980 kg	9	400	50	3,2	120	189229
X1024	400	9	980 kg	4,5	400	50	2,5	125	189219
X1025	400	9	980 kg	4,5/9	400	50	1,9/2,6	130	189239
X1026	400	9	980 kg	4,5/18	400	50	3,3/5,8	145	189249

Frame with 800m reel X2050 - X3050 (code 34328)

Model	Wire rope length (m)	Wire rope diameter ø (mm)	WLL (kg)	Lifting speed (m/min)	Voltage (V)	Frequency (Hz)	Tension (A)	Weight (kg)	Product code
X3050	800	14	3,000 kg	6	400	50	5,2	550	189279
X3052	800	14	3,000 kg	12	400	50	6	550	189289

Tirfor TU-H Series

The TU-H Tirfor hoists are mechanically powered by a hydraulic cylinder using an electric or petrol powerpack.

The TU-H adds flexibility to the operator particularly during extensive heavy-duty usage and movement of loads over long distances.

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

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

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

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

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

This product comes equipped with Tracinfo, an online service that simplifies the way you access product documentation. With Tracinfo, you can get instant access to manuals, certificates, and more with just a few clicks.

Tirfor TU-H (stand alone)

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

Sets Tirfor TU H

Model	Product Code	Description
TU 16 H 1W	199249	Standard equipment supertirfor™ TU-16H, electric motor, consisting of: hydraulic power pack, 1 set of 2 hoses, fitting and cylinder support, 1 VA2 self-operating cylinder, 1 can of hydraulic oil
TU 16 H 2W	199259	Standard equipment supertirfor™ TU-16H, electric motor, consisting of: 1 hydraulic power pack, 2 sets of 2 hoses, fitting and cylinder support, 2 VA2 self-cleaning cylinders, 1 can of hydraulic oil
TU 16 H 4W	199269	Standard equipment supertirfor™ TU-16H, electric motor, consisting of: 1 hydraulic power pack, 4 sets of 2 hoses, fitting and cylinder support, 4 VA2 self-cleaning cylinders, 1 can of hydraulic oil
TU 32 H 1W	199279	Standard equipment supertirfor™ TU-32H, electric motor, consisting of: 1 hydraulic power pack, 1 set of 2 hoses, fitting and cylinder support, 1 VA3 self-cleaning cylinder, 1 can of hydraulic oil

Wire rope 20m standard length

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

Other wire rope lengths are available upon request. Please contact our Customer Service for more information - 0031 (0)76 543 5135.

Hydraulic Power Pack

Model	Product Code
HPP 1W	8488
HPP 2W	1548
EPP 4W	1558
HPP 1W with engine & control block	1168
HPP 2W with engine & control block	4768
HPP 4W with engine & control block	4778

Hydraulic cylinder

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

Hydraulic Oil, 18 L

Model	Product Code
hydraulic oil, 18 l	107320

Packaging box

Model	Product Code
TU 16 H	21490
TU 32 H	21440
For hydraulic power pack	21210

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.

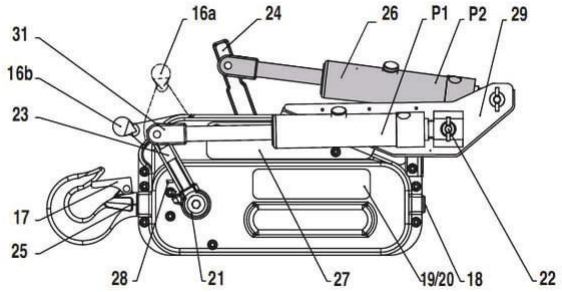
tube set Ø 10 mm

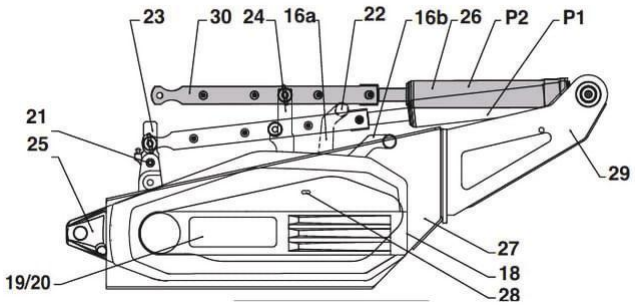
Model	Product Code
3 m	6158
4 m	56098
5 m	84828
6 m	84838
7 m	56108
8 m	56088
9 m	84848
10 m	84858
11 m	84868
12 m	84878
13 m	56118
14 m	56128

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

Tirfor TU-H components

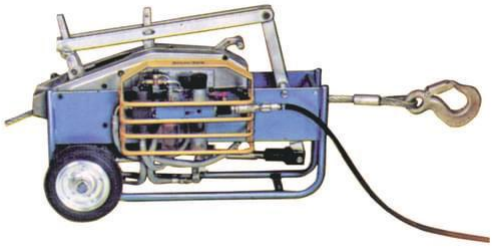




TU16H & TU32H equipped with ram:

- 16a: Clutch lever in CLUTCH RELEASED position (dotted lines)
- 16b: Clutch lever in CLUTCH ENGAGED position (solid lines)
- 17: Latches
- 18: Cable lead-in
- 19/20: Instruction plates
- 21: Safety pins
- 22: Spare safety pins
- 23: Forward operating lever
- 24: Reverse operating lever
- 25: Cable lead-out
- 26: Self-reciprocating ram
- P1: Position of ram in "forward operation"
- P2: Position of ram in "reverse operation"
- 27: Attachment fitting
- 28: Clutch release/engage latch
- 29: Ram bracket
- 30: Control unit
- 31: Yoke

Tirfor TU-A Series



The Tirfor TU-A16 and TU-A32 can be motorized by a pneumatic system powered by an onsite or portable air supply and is operated by a standard control unit.

The Tirfor TU-A series adds flexibility to the operator particularly during extensive heavy-duty usage and movement of loads over long distances. If the air pressure is lost, the Tirfor can also be disconnected from the motorizing linkage and operated manually.

- Delivering safe and assured operation in any direction, either in a straight line or using diverter pulleys over an unlimited length
- Low-wear clamping jaws during demanding applications increasing the life of the wire rope
- Overload protection for safe and secure operation
- Fast and easy to install and use
- Working load can be increased by using sheave blocks
- Positioning loads with millimetre accuracy
- Secure release system
- Load capacity from 1600kg - 3200 kg

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

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 TT Electric chain hoists

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

- Suitable for the toughest applications and conditions
- Recommended for dusty and humid environments and also for outdoor use
- Extra long service life thanks to the permanently lubricated gearbox and the profiled steel chain with manganese phosphate coating
- Application range: -15 to +50°C
- Low weight and overhead height due to the compact housing
- Reinforced load hook with forged safety catch
- Alternating current (230V / 1Ph / 50Hz) or three-phase current (400V / 3Ph / 50Hz)
- Ergonomic remote control, wired or wireless
- Corrosion resistant finish
- Hoist classification at Q5 class: according to DIN EN 14492: A5(125000 cycles), according to ISO 4301: M5 (1600 h.)
- 3 years warranty by Tractel

Tralift TT 250 - 500 kg, 400V - 50 Hz

WLL	Number of Falls	Number of Speeds	Forward Speed (m/min)	Code	Options per m			
					Lifting height		Control cable	
					Code	max.	Code	max.
250 kg	1	1	8	278129	232507	120 m	195127	119 m
250 kg	1	2	8/2	278139	232507	120 m	195127	119 m
500 kg	2	1	4	278169	232517	60 m	195127	59 m
500	2	2	4/1	278179	232517	60 m	195127	59 m
500 kg	1	1	8	278149	232527	120 m	195127	99 m
500 kg	1	2	8/2	278159	232527	120 m	195127	99 m

Tralift TT 1000 - 1600 kg, 400V-50 Hz

WLL (kg)	Number of Falls	Number of Speeds	Forward Speed (m/min)	Load Chain (mm)	Power (kW)	Lost Headroom	Weight (kg)	Code	Options per m			
									Lifting height		Control cable	
									Code	max.	Cods	max.
1,000 kg	2	1	4	5.25 x 15	0.72	528	28	278209	232647	60 m	195127	59 m
1,000 kg	2	2	4/1	5.25 x 15	0.75/0.18	528	28	278219	232647	60 m	195127	59 m
1,000 kg	1	1	8	7.45 x 23	2.3	617	57	278189	232637	55 m	195127	54 m
1,000 kg	1	2	8/2	7.45 x 23	2.3/0.57	617	58	278199	232637	55 m	195127	54 m
1,600 kg	2	1	4	7,45 x 23	2,3	676	57	278229	239547	36 m	195127	35 m
1,600 kg	2	2	4/1	7,45 x 23	2,3/0,57	676	58	278239	239547	36 m	195127	35 m
1,600 kg	1	1	4	9.4 x 27.4	2.2	688	88	293039	281137	36 m	195127	35 m
1,600 kg	1	2	8/2	9.4 x 27.4	3.7/0,93	688	93	293049	281137	36 m	195127	35 m

Tralift TT 2000 - 2500 kg, 400V-50 Hz

WLL (kg)	Number of Falls	Number of Speeds	Forward Speed (m/min)	Load Chain (mm)	Power (kW)	Lost Headroom	Weight (kg)	Code	Options per m			
									Lifting height		Control cable	
									Code	max.	Code	max.
2,000 kg	2	1	4	7.45 x 23	2.3	676	61	278249	239547	35	195127	34
2,000 kg	2	2	4/1	7.45 x 23	2.3/0.57	676	62	278259	239547	35	195127	34
2,000 kg	1	2	8/2	11,75 x 32,9	3,7/0,93	785	100	293719	239547	35	195127	34
2,500 kg	1	1	4	11.75 x 32.9	2.2	785	95	293079	281157	17	195127	16
2,500 kg	1	2	8/2	11.75 x 32.9	3.7/0.93	785	100	293089	281157	17	195127	16

Tralift TT 3200 - 6300 kg, 400V-50Hz

WLL (kg)	Number of Falls	Number of Speeds	Forward Speed (m/min)	Load Chain (mm)	Power (kW)	Lost Headroom	Weight (kg)	Code/prijs	Options per m			
									Lifting height		Control cable	
									Code	max.	Code	max.
3,200 kg	2	1	2	9.4 x 27.4	3.7/0,93	688	97	293059	281157	28	195127	27
3,200 kg	2	2	4/1	9.4 x 27.4	2.2	688	102	293069	281157	28	195127	27
3,200 kg	1	2	6,4/1,6	11.75 x 32.9	3.7/0,93	785	100	293099	281157	28	195127	27
3,200 kg	1	1	3,2	11.75 x 32.9	2.2	785	95	293109	281157	28	195127	27
5,000 kg	2	1	2	11.75 x 32.9	2.2	874	112	293119	281167	14	195127	13
5,000 kg	2	2	4/1	11.75 x 32.9	3.7/0.93	874	117	293129	281167	14	195127	13
6,300 kg	2	1	1,6	11.75 x 32.9	2.2	874	112	293149	281167	14	195127	13
6,300 kg	2	2	3,2/0,8	11.75 x 32.9	3.7/0.93	874	117	293139	281167	14	195127	13

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 TT 250 tot 500 kg, with trolley (12m/min)

WLL	Number of Falls	Number of Speeds	Forward Speed (m/min)	Load Chain (mm)	Power (kW)	Flange Width (mm)	Weight (kg)	Code	Options per m			
									Lifting height		Control cable	
									Code	max	Code	max.
250 kg	1	1	8	3.75 x 10.75	2.2	70-140	54	278269	232507	120 m	239597	119 m
250 kg	1	2	8/2	3.75 x 10.75	0.75/0.18	70-140	54	278279	232507	120 m	239597	119 m
500 kg	2	1	4	3.75 x 10.75	0.72	70-140	55	278309	232517	60 m	239597	59 m
500 kg	2	2	4/1	3.75 x 10.75	0.75/0.18	70-140	55	278319	232517	60 m	239597	59 m
500 kg	1	1	8	5.25 x 15	0.72	70-140	56	278289	232527	120 m	239597	119 m
500 kg	1	2	8/2	5.25 x 15	0.75/0.18	70-140	56	278299	232527	120 m	239597	119 m

Tralift TT 1000 tot 1600 kg, with trolley (12m/min)

WLL	Number of Falls	Number of Speeds	Forward Speed (m/min)	Code	Options per m			
					Lifting height		Control cable	
					Code	max.	Code	max.
1,000 kg	2	1	4	278349	232647	60 m	239597	59 m
1,000 kg	2	2	4/1	278359	232647	60 m	239597	59 m
1,000 kg	1	1	8	278329	232637	120 m	239597	119 m
1,000 kg	1	2	8/2	278339	232637	120 m	239597	119 m
1,600 kg	2	1	4	278369	232647	120 m	239597	119 m
1,600 kg	2	2	4/1	278379	232647	120 m	239597	119 m
1,600 kg	1	1	8	293189	232647	120 m	239597	119 m
1,600 kg	1	2	8/2	293199	232647	120 m	239597	119 m

Traverse for e-trolley

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

Tralift TT 2000 - 2500 kg, with trolley (12-4m/min)

WLL	Number of Falls	Number of Speeds	Forward Speed (m/min)	Load Chain (mm)	Power (kW)	Flange Width (mm)	Weight (kg)	Code	Options per m			
									Lifting height		Control cable	
									Code	max.	Code	max.
2,000 kg	2	1	4	7.45 x 23	2.3/0.57	91-300	117	278389	232647	120 m	239597	119 m
2,000 kg	2	2	4/1	11.75 x 32.8	3.7/0.93	91-300	155	278399	232647	120 m	239597	119 m
2,500 kg	1	1	4	11,75 x 32,8	2,2	91-300	-	293229	281157	28 m	239597	27 m
2,500 kg	1	2	8/2	11.75 x 32.9	3,7/0,93	91-300	155	293239	281157	28 m	239597	27 m

Tralift TT 3200 - 6300 kg, with trolley (12-4m/min)

WLL	Number of Falls	Number of Speeds	Forward Speed (m/min)	Load Chain (mm)	Power (kW)	Flange Width (mm)	Weight (kg)	Code	Options per m			
									Lifting height		Control cable	
									Code	max.	Code	max.
3,200 kg	2	1	2	9,4 x 27,4	3,7/0,93	91-300	160	2932999999	281147	17 m	239597	16 m
3,200 kg	2	2	4/1	9,4 x 27,4	2,2	91-300	163	293219	281147	17 m	239597	16 m
3,200 kg	1	2	6,4/1,6	11,75 x 32,9	3,7/0,93	91-300	163	47289	281157	28 m	239597	27 m
3,200 kg	1	2	3,2	11,75 x 32,9	2,2	91-300	190	293259	281157	28 m	239597	27 m
5,000 kg	2	1	2	11,75 x 32,9	2,2	91-300	190	294009	281167	14 m	239597	13 m
5,000 kg	2	2	4/1	11,75 x 32,9	3,7/0,93	91-300	195	294019	281167	14 m	239597	13 m
6,300 kg	2	2	3,2/0,8	11,75 x 32,9	3,7/0,93	91-300	190	294029	281167	14 m	239597	13 m
6,300 kg	2	1	1,6	11,75 x 32,9	2,2	91-300	195	294039	281167	14 m	239597	13 m

Traverse for e-trolley

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

Tralift TT 250 - 2000 kg, 230V-50 Hz

WLL	Number of Falls	Number of Speeds	Forward Speed (m/min)	Code	Options per m			
					Lifting height		Control cable	
					Code	max.	Code	max.
250 kg	1	1	8	278969	232507	10 m	195127	10 m
500 kg	2	1	4	278989	232517	5 m	195127	10 m
500 kg	1	1	4	278979	232527	10 m	195127	10 m
500 kg	1	1	8	294079	232537	10 m	195127	10 m
1,000 kg	2	1	2	279009	232637	5 m	195127	10 m
1,000 kg	1	1	4	293159	232637	10 m	195127	10 m
1,000 kg	1	1	4	47269	239547	5 m	195127	10 m
2,000 kg	2	1	2	293179	239547	5 m	195127	10 m

Tralift TT 250 - 2000 kg, 230V-50 Hz, met trolley (12m/min)

WLL	Number of Falls	Number of Speeds	Forward Speed (m/min)	Code	Options per m			
					Lifting height		Control cable	
					Code	max.	Code	max.
250 kg	1	1	8	279029	232507	10 m	195137	10 m
500 kg	1	1	4	294089	232527	10 m	195137	10 m
500 kg	2	1	4	279049	232517	5 m	195137	10 m
500 kg	1	1	8	279059	232537	10 m	195137	10 m
1,000 kg	2	1	2	279069	232637	5 m	195137	10 m
1,000 kg	1	1	4	294049	232637	10 m	195137	10 m
1,000 kg	1	1	4	294059	239547	5 m	195137	10 m
2,000 kg	2	1	2	294069	239547	5 m	195137	10 m

Traverse for e-trolley

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

Volt trac motorised chain hoists

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

With Volt Trac, Tractel is offering a new generation of electric chain hoists which are robust with FEM/ISO rating of 2m/M5 as well as an economic solution for your lifting needs.
Ergonomic modular construction allows fast disassembly and assembly during maintenance with easy access to all major parts: chain guide, motor and electric components.
This all adds up to low total cost of ownership for you.
In addition, Tractel is able to provide accessories for Volt Trac which will complete your customised application.

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

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

Electric chain hoist with 3 m lifting height, 1.80 m control cable and chain bag.

WLL	Number of Falls	Number of Speeds	Forward Speed (m/min)	Code	Options		
					Extra height	Extra control cable	
					m	m	max.
250 kg	1	1	10	280209	270917	195127	25 m
250 kg	1	2	8/2	299259	270927	195127	25 m
500 kg	2	1	5	280219	270937	195127	25 m
500 kg	2	2	4/1	286759	270937	195127	25 m
500 kg	1	1	8	280229	270947	195127	25 m
500 kg	1	2	8/2	280239	270947	195127	25 m
1,000 kg	2	1	4	280249	270957	195127	25 m
1,000 kg	2	2	4/1	280259	270957	195127	25 m
1,000 kg	1	1	8	280269	270967	195127	25 m
1,000 kg	1	2	8/2	280279	270967	195127	25 m
2,000 kg	2	1	4	280289	270967	195127	25 m
2,000 kg	2	2	4/1	280299	270967	195127	25 m

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 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
250kg 1 fall/2 speeds	289517
500 kg 2falls/2 speeds	289807

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

Trolley limit switch

Model	Product Code
trolley limit switch	75257

Chain bags

Additional or replacement

Chain collectors are available for our range of electric chain hoists to conveniently store the load chain.

Model	Description	Product Code
DFA1	250 kg 1 fall 13-25 m & 500 kg 2 falls 7-12 m	276617
DFA2	500 kg, 2 falls 13-18 m	276627
DFA3	500 kg, 2 falls 19-25 m, steel	276637
DTA4	500 kg, 1 fall 13-25 m, 1000 kg 2 strands 7-12 m	276647
DFB1	1000 kg, 2 falls 13-18 m	276657
DTB2	1000 kg, 2 falls 19-25 m, steel	276667
DFB3	1000 kg 1 fall 7-18 m & 2000 kg 2 falls 4-9 m	276677
DTB4	1000 kg, 1 fall 19-25 m	276687
DFC1	2000 kg 2 falls 10-15 m	276697
DFC2	2000 kg 2 falls 16-25 m	276707

Standard Range remote control

Free-field range 100 m

Model without electrical trolley	Product Code
Radio control - Model 250 kg 1 fall / 500 kg 2 falls - 1 lifting speed	294137
Radio control - Model 500 kg 1fall / 1 000 kg 2 falls - 1 lifting speed	294147
Radio control - Model 1 000 kg 1 fall / 2 000 kg 2 falls - 1 lifting speed	294157
Radio control - Model 250 kg 1 fall / 500 kg 2 falls - 2 lifting speeds	294167
Radio control - Model 500 kg 1 fall / 1 000 kg 2 falls - 2 lifting speeds	294177
Radio control - Model 1 000 kg 1 fall / 2 000 kg 2 falls - 2 lifting speeds	294187

Model with electrical trolley	Product Code
Radio control - Model 250 kg 1 fall / 500 kg 2 falls - 1 lifting speed - Trolley 2 steering speeds	294197
Radio control - Model 500 kg 1 fall / 1 000 kg 2 falls - 1 lifting speed - Trolley 2 steering speeds	294207
Radio control - Model 1 000 kg 1 fall / 2 000 kg 2 falls - 1 lifting speed - Trolley 2 steering speeds	294217
Radio control - Model 250 kg 1 fall / 500 kg 2 falls - 2 lifting speeds - Trolley 2 steering speeds	294227
Radio control - Model 500 kg 1 fall / 1 000 kg 2 falls - 2 lifting speeds - Trolley 2 steering speeds	294237
Radio control - Model 1 000 kg 1 fall / 2 000 kg 2 falls - 2 lifting speeds - Trolley 2 steering speeds	294247

Long Range remote control

Free-field range 400 m

Model without electrical trolley	Product Code
Radio control - Model 250 kg 1 fall / 500 kg 2 falls - 1 lifting speed	274047
Radio control - Model 500 kg 1 fall / 1 000 kg 2 falls - 1 lifting speed	274057
Radio control - Model 1 000 kg 1 fall / 2 000 kg 2 falls - 1 lifting speed	274067
Radio control - Model 500 kg 1 fall / 1 000 kg 2 falls - 2 lifting speeds	276717
Radio control - Model 1 000 kg 1 fall / 2 000 kg 2 falls - 2 lifting speeds	276727

Model with electrical trolley	Product Code
Radio control - Model 250 kg 1 fall / 500 kg 2 falls - 1 lifting speed - 2 steering speeds	276757
Radio control - Model 500 kg 1 fall / 1 000 kg 2 falls - 1 lifting speed - 2 steering speeds	276767
Radio control - Model 1 000 kg 1 fall / 2 000 kg 2 falls - 1 lifting speed - 2 steering speeds	276777
Radio control - Model 500 kg 1 fall / 1 000 kg 2 falls - 2 lifting speeds - 2 steering speeds	276787
Radio control - Model 1 000 kg 1 fall / 2 000 kg 2 falls - 2 lifting speeds - 2 steering speeds	276797

Extended hanger bar for electric trolley

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

Eye suspension for Volt trac

For removing the hook and the replacment with an eye.

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

Altotir

Motorised hoists

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

Hoist for lifting loads; quick installation on scaffold tube.

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

Model	WLL (kg)	Lifting height	Wire rope ø (mm)	Product code
Altotir	200 kg	35	5	261579

Sodenic jib crane

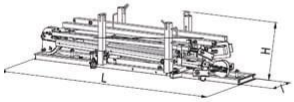
Jib crane with integrated wire rope hoist

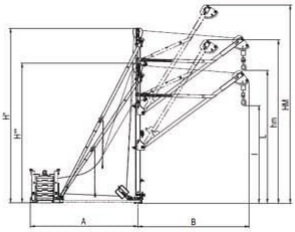
The Sodenic is a complete jib crane with integrated wire rope hoist. Perfect for lifting materials up to and down from a roof. Sodenic is made of modular galvanized construction which makes it easy to transport and assemble without specialized tools. Due to the compact nature of the knocked down crane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

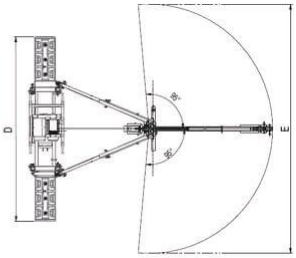
- Ideal for construction and industry
- Locking pins with safety pin
- Modular configuration
- Fits in elevator, once disassembled
- One-man operation

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







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

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

Accessories for the Sodenic jib crane

Model	Product Code
wire rope 45m	38928
wire rope 60m	38938
wire rope 80m	38948
manual winch 120 kg 38m	38968
counterweight 25 kg	3378

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.

CHARLET pulleys, blocks & sheaves

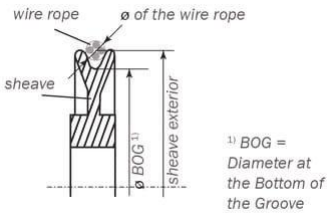
CHARLET blocks

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

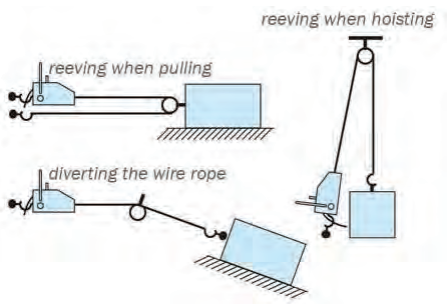
CHARLET pulleys

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

Detail of sheave



Example of application



Winding ratio	Reduction
6	21%
8	17%
10	14%
15	11%
20	9%

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

CHARLET special designs

CHARLET™

Tractel Solutions offers a wide range of custom made sheaves
Pitch diameter (Ødp) = Wire rope Ø x R

If you have any special needs, please contact us:

Tractel Solutions S.A.S.

Phone: +33 4 78 50 18 18

Email: info.tso@alimakgroup.com

Pulleys, blocks & sheaves

BG – Cast iron roller

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

Model	Sheave diameter (mm)	Rope ø (mm)	WLL (kg)	Bearing/shaft diameter (mm)	Weight (g)	Product code
C034C11MU	34/40	9/11	100	8.2	90	83699
C042C12MU	42/50	10/12.6	160	10.2	170	83709
C054C17CU	54/63	15/17	250	12.3	200	83719
C063C17CM	63/80	16/18	400	12.5	320	83729
C080C19CM	80/100	17/19	630	19	680	83739
C0131C25MM	131/160	23/25	1,000	23	1500	83749

BH – Cast iron roller

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

Model	Sheave diameter (mm)	Rope ø (mm)	WLL (kg)	Bearing/shaft diameter (mm)	Weight (g)	Product ode
C063C17CU	63/80	15/17	400	15	300	83759
C080C19CU	80/100	17/19	630	22	650	83769
C0131C25MU	131/160	23/25	1,250	30	1400	83779
C0161C34MU	161/200	32/34	2,000	30	2900	83789

BN – Polyamide roller

- Light
- Electrically insulated
- Corrosion resistant

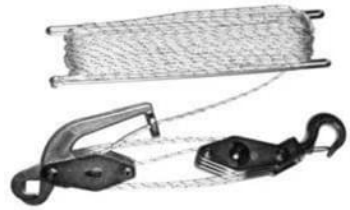
Model	Sheave diameter (mm)	Rope ø (mm)	WLL (kg)	Bearing/shaft diameter (mm)	Weight (g)	Product code
C025C8PZ	25/32	6/8	63	6.3	5	83609
C032C10PZ	32/40	8/10	100	8.3	10	83619
C040C12PZ	40/50	10/12	160	10.3	20	83629
C044C7PZ	44/62	5/7.5	200	12.1	30	83639
C061C10PZ	61/76	8/10	300	12	60	83649
C066C8PZ	66/80	6/8	300	12.2	70	83659
C078C10PZ	78/100	6/8	300	12.2	90	83669
C078C12PZ	78/120	10/12	300	12.2	100	83679
C0118C12PZ	118/140	10/12	300	12.2	125	83689

Pulleys, blocks & sheaves

BX – Sheave Axle

- Allows mounting of BG-BH-BN sheaves

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



Palanmatic

The Palanmatic hoist is unique in its kind: convenient, lightweight, manually operated and equipped with ø4 mm nylon rope with automatic braking function. Ideal for lifting and pulling loads in any application for both individual and professional. Models 202A, 204A and 206A come with an operating rod for even easier lifting of the load.

- No risk of falling loads
- Lifting at a fixed or mobile point (hoist in vertical position),
- Pulling a load (hoist in horizontal position).

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

DB Poulistop 2

The Poulistop 2 is a manually operated lifting block with automatic brake function and is suitable for lifting loads up to 50 kg (weight rope included). The automatic brake mechanism of the Poulistop is operated when the rope moves past the brake caliper in a vertical position. To release the brake, the user must hold the rope at a minimum angle of 15° to move the load.

- Efficient, lightweight, corrosion-resistant, safe and easy to use
- System with rope lock
- Can be attached to scaffolding using a gallow

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

Pulleys, blocks & sheaves

DD Pulley Block

- Simple and light
- Polyvalent
- Corrosion resistant product

Model	Sheave diameter (mm)	Rope min/max ø (mm)	WLL at anchor point (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	1,000	3.4	80159

DE Scaffold Block

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

Model	Sheave diameter (mm)	Rope min/max ø (mm)	WLL per side (kg)	Weight (kg)	Product code
D039E	156/200	22-30	40 kg	1.6	80169

DL Lyons Block

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

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

Pulleys, blocks & sheaves

BC – Sheave with short hub

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

Machined

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

Bronze bushings

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

BL – Sheave with long hub

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

Machined

Model	Sheave diameter (mm)	Wire rope ø (mm)	WLL (t)	Ø as	Weight (kg)	Product code
CA140C11VUL	140/160	10/11.5	2	37	1.3	104009
CA172C15VUL	172/200	13/15	3.2	37	2.2	104019

Bronze bushings

Model	Sheave diameter (mm)	Wire rope ø (mm)	WLL (t)	Ø as	Weight (kg)	Product code
CA140C11VML	140/160	10/11.5	2	30	1.3	104039
CA172C15VML	172/200	13/15	3.2	30	2.2	104049

Bearings

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

Pulleys, blocks & sheaves

BE - Flared sheave

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

Untreated

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

Processed

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

Bronze bushings

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

Bearings

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

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.

Pulleys, blocks & sheaves

BD - Sheave for public works

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

Processed

Model	Sheave diameter (mm)	Wire rope min/max ø (mm)	WLL (t)	Ø axle	Weight (kg)	Product code
CA100C4MU	100/112	4/4.5	0.5	37	0.5	83879
CA140C6VU	140/160	5.5/6.3	1	37	1.2	83889
CA200C9VU	200/224	8/9.5	2	52	2.1	83899

Bronze bushings

Model	Sheave diameter (mm)	Wire rope min/max ø (mm)	WLL (t)	Ø axle	Weight (kg)	Product code
CA140C6VM	140/160	5.5/6.3	1	30	1.2	83909

Bearings

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

Pulleys, blocks & sheaves

CSB - Sheave with ball bearings

- Galvanised
- Bearings series 6200-2RS
- Other dimensions available on request

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

EC Snatch Block

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

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

Pulleys, blocks & sheaves

ED - Snatch pulley with wire rope guide flanges

- Cable guide flanges to prevent derailment
- Easy installation

Model	Sheave diameter (mm)	Wire rope min/max ø (mm)	WLL (t)	Weight (kg)	Product code
E162D	140/160	10/11.5	1.25	5.2	80729
E172D	172/200	13/15	2	9.3	80769

EG - Light duty pulley for wire rope

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

Model	Sheave diameter (mm)	Wire rope min/max ø (mm)	WLL (t)	Weight (kg)	Product code
E140G	60/80	4/5	0.32	1.6	80809
E144G	80/100	8/9	0.63	2.5	80829
E146G	80/100	8/9	0.63	2.5	80849

* Met bronzen bus

ES Cargo Block

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

Model	Sheave diameter (mm)	Wire rope min/max ø (mm)	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	1,200	3.4	81359

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

Pulleys, blocks & sheaves

EH Snatch Block

- Snatch blocks for wire rope cables
- Zinc bichromated coating

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

* Only types E460H and E470H comply with EN13157.

EGZ Snatch blocks for wire rope cables

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

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

* Only types E460GZ, E47GZ and E480GZ comply with EN13157.

EJ - Pulley for wire rope

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

Model	WLL (t)	Wire rope min/max ø (mm)	Sheave diameter (mm)	Weight (kg)	Description	Product code
E125J	1	8/9	80/100	1,9	Without hook / not dismountable	81049
E126J	0.63	8/9	80/100	2,6	With hook / dismountable	81059
E136J	1.25	10/11.5	132/160	5	With hook / dismountable	81099

Pulleys, blocks & sheaves

ELS = with safety hook

ELC = Hook with safety clasp

ELC - ELS pulleys

New light & compact 1t pulley for use in Offshore applications or along with Minifor.
The pulley is designed to be as compact as possible for use in elevator cage ceiling, to install the elevator motor.
It is designed with the same principles than an ET pulley, in order to be robust, corrosion resistant (Zn coating) and with all elements being foolproof.
It exists in two version, ELC (as shown below) and ELS with safety hook (but less compact).

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

ETC Off-Shore Model Snatch Block

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

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

Pulleys, blocks & sheaves

ETM Off-Shore Model Snatch Block

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

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

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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.

Pulleys, blocks & sheaves

ETA Off-Shore Model Snatch Block

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

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

FM - Wire Rope Blocks

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

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

EP III Blocks for Man-Riding Applications

Versatility

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

Safety

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

Ease of use

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

Lightness

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

Compatibility

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

Applications

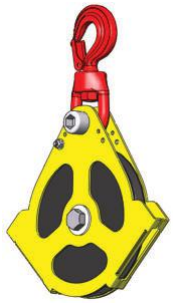
- These pulleys are mainly designed for temporary cable lifting or pulling applications, when quick installation and/or removal of the pulley is necessary.
- They can be fixed to a mobile or fixed anchorage point having the required WLL.

Model	Sheave diameter (mm)	Wire rope ø (mm)	WLL (t)	Weight (kg)	Product code
EPA1.6-8/9 III	171/198	8-9	1.6 t	2.6	252739
EPA2.4-10/12 III	196/228.5	10-11.5	2.4 t	4.9	252789
EPA5-14/16 III	277.5/323.5	14-16.3	5 t	11.7	252839
EPC1.6-8-9 III	171/198	8-9	1.6 t	3.4	252699
EPC2.4-10/12 III	196/228.5	10-11.5	2.4 t	6.3	252749
EPC5-14/16 III	277.5/323.5	14-16.3	5 t	14.3	252799
EPE1.6-8/9 III	171/198	8-9	1.6 t	3.4	252709
EPE2.4-10/12 III	196/228.5	10-11.5	2.4 t	6.3	252759
EPE5-14/16 III	277.5/323.5	14-16.3	5 t	14.3	252809
EPF1.6-8/9 III	171/198	8-9	1.6 t	3.2	252719
EPF2.4-10/12 III	196/228.5	10-11.5	2.4 t	5.8	252769
EPF5-14/16 III	277.5/323.5	14-16.3	5 t	13.6	252819
EPL1.6-8/9 III	171/198	8-9	1.6 t	3.2	252729
EPL2.4-10/12 III	196/228.5	10-11.5	2.4 t	5.9	252779
EPL5-14/16 III	277.5/323.5	14-16.3	5 t	13.6	252829

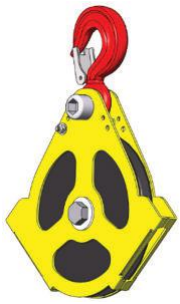
EPA

EPC

EPE



EPF



EPL

Accessories for EP Blocks

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

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.

Suspension options

CE – Swivel hook with safety catch

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

CH – High resistance anchor shackle

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

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

CJ – Eye hook with safety catch

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

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

TOPAL

TOPAL RANGE

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

STANDARD PRODUCTS

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

SPECIAL SOLUTIONS

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

All our products are CE & UKCA conform.
They are all delivered with instruction manual + CE/UKCA certificate

TOPAL special designs

TOPAL™

Tractel Solutions SAS manufactures on request a wide range of lifting clamps, either derivated standard clamps or designed for a special application.
From a simple polyurethane coating on an existing clamp up to a completely new design.

If you have any special needs, please contact us:

Tractel Benelux

Tel: +31 (0)76 543 5135

E-mail: sales.benelux.tractel@alimakgroup.com

Construction clamps

BX Kerbstone Clamps

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

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

RB lifting clamp for concrete pipe sections

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

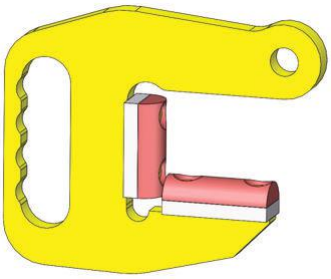
Model	Description	WLL (kg)	Opening (mm)	Weight (kg)	Product code
RB1.5 40-110	Lifting clamp	500	40-110	9	50728
RBE 1500	Chain 3-hooks, l=1,500 mm for 3 RB clamps	1,500	-	4.9	50738
RBE 1	2-Leg sling RB1.5 HOOKS	1,000	-	2.7	52468
RB1.5 E-3	-	1,500	-	31	54068
RB1.5 E-2	-	1,000	-	21	54078

Clamps for infrastructure sector

F lifting hook for pipe sections

F Hook

F Hook PVC version



F Hook PU version

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

Model	WLL (kg) per hook	Jaw-opening (mm)	Weight (kg)	Product code
F2 0-60	1,000	0-60	2	189028
F5 0-75	2,500	0-75	5	189038
F7.5 0-100	3,750	0-100	7.5	185958
F10 - 0-100	5,000	0-100	15	189048
F15 0-100	7,500	0-100	20	189058

F lifting hook | PVC version

for sensitive products, to prevent surface marking

Model	WLL (kg) per hook	Jaw-opening (mm)	Weight (kg)	Product code
F2-0-60/IIPVC	1,000	0-60	2	185968
F5-0-75/IIPVC	2,500	0-75	5	185978
F7.5-0-100/IIPVC	3,750	0-100	7.5	185988
F10-0-100/IIPVC	5,000	0-100	15	185998
F15-0-100/IIPVC	7,500	0-100	20	189008

F lifting hook | PU version

for products with an abrasive surface to prevent marking

Model	WLL (kg) per hook	Jaw-opening (mm)	Weight (kg)	Product code
F2-0-45/IIPU	1,000	0-45	2	189078
F5-0-55/IIPU	2,500	0-55	5	189088
F7.5-0-90/IIPU	3,750	0-90	7.5	189098
F10-0-90/IIPU	5,000	0-90	15	189108
F15-0-90/IIPU	7,500	0-90	20	189118

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.

Clamps for infrastructure sector

2-legged chain sling with shackles for F hooks

Slings 2 x F2 / < 2 000 kg

Model	Pipe length max (mm)	Product code
E2W04000HR/1000	1 400	191808
E2W04000HR/2000	2 800	191818
E2W04000HR/3000	4 200	191828
E2W04000HR/4000	5 600	191838
E2W04000HR/5000	7 000	191848

Slings 2 x F5 / < 5 000 kg

Model	Pipe length max (mm)	Product code
E2W06700HR/1000	1 400	192158
E2W06700HR/2000	2 800	192168
E2W06700HR/3000	4 200	192178
E2W06700HR/4000	5 600	192188
E2W06700HR/5000	7 000	192198

Ketting 2 x F7.5 /< 10000kg

Model	Pipe length max (mm)	Product code
E2W11500HR/1000	1 400	192258
E2W11500HR/2000	2 800	192268
E2W11500HR/3000	4 200	192278
E2W11500HR/4000	5 600	192288
E2W11500HR/5000	7 000	192298

Slings 2 x F10 / < 10 000 kg

Model	Pipe length max (mm)	Product code
E2W11500HR/1000	1 400	192258
E2W11500HR/2000	2 800	192268
E2W11500HR/3000	4 200	192278
E2W11500HR/4000	5 600	192288
E2W11500HR/5000	7 000	192298

Slings 2 x F15 / < 15 000 kg

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

- Standard lengths from 1 to 5 metres
- Additional notch hook to shorten chains
- Max angle between the 2 chains is 90°

To ensure the recommended angle of 90°, the maximum length of pipe depends on the chain length.

Shorter pipe sections can be lifted with the shortening hook.

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.

Clamps for infrastructure sector

TB Lifting Hook For Pipe Sections

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

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

2-legged chain sling with shackles for TB hooks

- Standard lengths from 1 to 5 metres
- Additional notch hook to shorten chains
- Max angle between the 2 chains is 90°

To ensure the recommended angle of 90°, the maximum length of the pipe is bpalent for the chain length.

Shorter pipe sections can be lifted with the shortening hook.

Slings 2 x TB1/ < 1000 kg

Model	Pipe length max (mm)	Product code
E2W01600HR/1000	1 400	191708
E2W01600HR/2000	2 800	191718
E2W01600HR/3000	4 200	191728
E2W01600HR/4000	5 600	191738
E2W01600HR/5000	7 000	191748

Slings 2 x TB2/ < 2000 kg

Model	Pipe length max (mm)	Product code
E2W04000HR/1000	1 400	191808
E2W04000HR/2000	2 800	191818
E2W04000HR/3000	4 200	191828
E2W04000HR/4000	5 600	191838
E2W04000HR/5000	7 000	191848

Slings 2 x TB3/ < 3000 kg

Model	Pipe length max (mm)	Product code
E2W04100HR/1000	1 400	191858
E2W04100HR/2000	2 800	191868
E2W04100HR/3000	4 200	191878
E2W04100HR/4000	5 600	191888
E2W04100HR/5000	7 000	191898

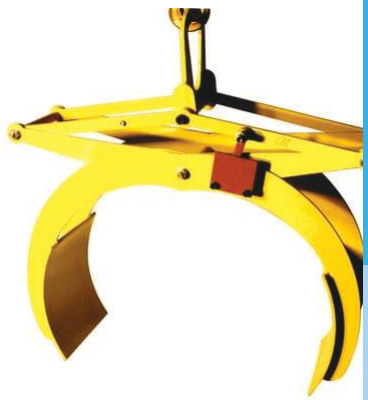
Order products on day 1, will be shipped no later than day 2

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.

Clamps for infrastructure sector

TI - Lifting Clamp For Round Materials and Pipe Sections



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

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

TIS = Automatic depositing
TIA = Automatic clamping and depositing
CR = Chloroprene coating

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.

Vertical plate clamps

KF clamp

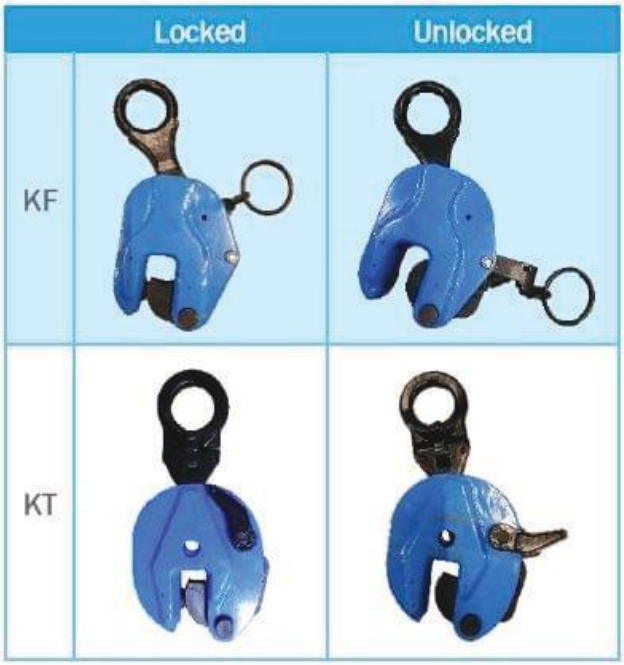
- Vertical lifting
- Handling of unit steel loads
- Spring safety system
- Hardness 300 HB

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

KT clamp

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

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

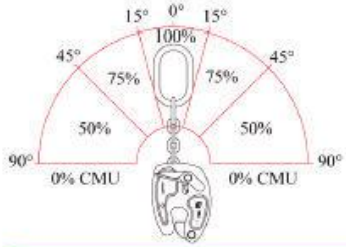


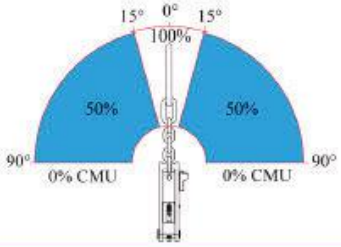
Vertical plate clamps

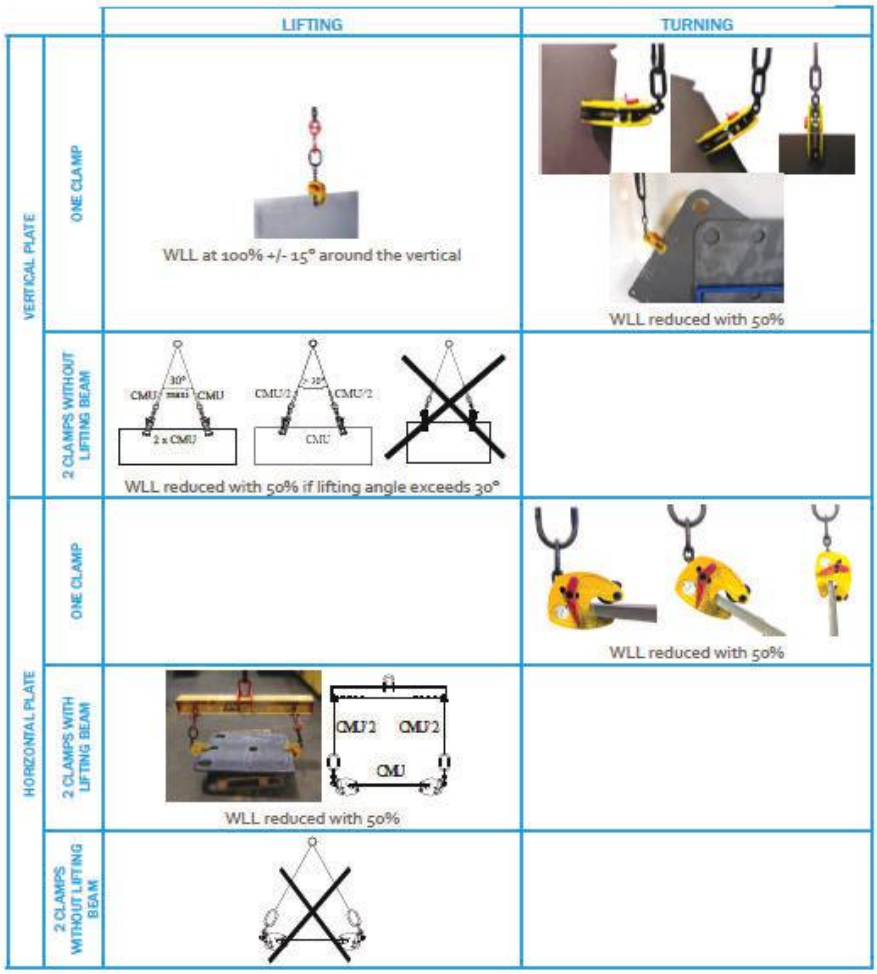
KS - Multi-Position Lifting Clamp

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

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







Vertical plate clamps

NK - Automatic Lifting Clamp

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

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

NX - NXR Automatic Lifting Clamp

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

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

Horizontal lifting magnets

Magfor™ - Permanent lifting magnets

Magfor II Lifting Magnet

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

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

Magfor II HT Lifting Magnet

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

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

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.

Horizontal lifting magnets

Magfor™ - Permanent lifting magnets

Magfor II HO Lifting Magnet

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

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

magfor™ II TP Lifting Magnet

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

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

Magfor Auto

Battery powered permanent magnet

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

Designed to lift flat or cylindrical steel parts
Two lifting magnets can be used simultaneously on one lifting beam in automatic mode
Can be used on a crane
No battery consumption during lifting. Only a short pulse of less than one second is required for magnetising and demagnetising.
A built-in safety mechanism prevents demagnetising and release of the load when it is suspended. (ADPREM safety system) The electro-permanent technology maintains the full holding force even in the event of a power failure.

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

Model	WLL flat (kg)	WLL round (kg)	Product code
Magfor Auto 200	200	50	192208
Magfor Auto 500	500	200	192218
Magfor Auto 950	1000	400	192228
Spare battert for Magfor Auto 500 & 950	-	-	192238

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.

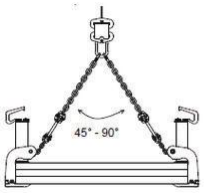
Available on request. Please enquire about delivery times of these items.

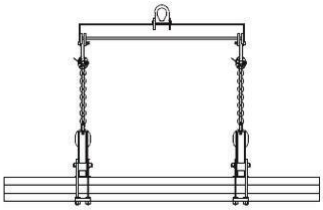
Horizontal plate clamps

TLC Lifting Clamp

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

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





2-legged chain sling with shackles for TLC hooks

- Standard lengths from 1 to 5 metres
- Additional notch hook to shorten chains
- Max angle between the 2 chains is 45°-90°
- To ensure the recommended angle, the maximum slab width determines the chain length.

Slings 2x TLC 1 / ≤ 1000kg

Model	Plate width max (mm)	Product code
E2W01600C0/1000	1 400	191008
E2W01600C0/2000	2 800	191018
E2W01600C0/3000	4 200	191028
E2W01600C0/4000	5 600	191038
E2W01600C0/5000	7 000	191048

Slings 2x TLC 2.5 / ≤ 2500kg

Model	Plate width max (mm)	Product code
E2W04000C0/1000	1 400	191108
E2W04000C0/2000	2 800	191118
E2W04000C0/3000	4 200	191128
E2W04000C0/4000	5 600	191138
E2W04000C0/5000	7 000	191148

Slings 2x TLC 4 / ≤ 4000kg

Model	Plate width max (mm)	Product code
E2W06300C0/1000	1 400	191208
E2W06300C0/2000	2 800	191218
E2W06300C0/3000	4 200	191228
E2W06300C0/4000	5 600	191238
E2W06300C0/5000	7 000	191248

Slings 2x TLC 6 / ≤ 6000kg

Model	Plate width max (mm)	Product code
E2W06700C0/1000	1 400	191258
E2W06700C0/2000	2 800	191268
E2W06700C0/3000	4 200	191278
E2W06700C0/4000	5 600	191288
E2W06700C0/5000	7 000	191298

Horizontal plate clamps

2-legged chain sling with shackles for TLC hooks

- Standard lengths from 1 to 5 metres
- Additional notch hook to shorten chains
- Max angle between the 2 chains is 45°-90°

To ensure the recommended angle, the maximum slab width determines the chain length.

Slings 3 x TLC 1 / ≤ 1500 kg

Model	Plate width max (mm)	Product code
E3W02400C0/1000	1 400	191358
E3W02400C0/2000	2 800	191368
E3W02400C0/3000	4 200	191378
E3W02400C0/4000	5 600	191388
E3W02400C0/5000	7 000	191398

Slings 3x TLC 2.5 /<3750kg

Model	Plate width max (mm)	Product code
E3W06000C0/1000	1 400	191458
E3W06000C0/2000	2 800	191468
E3W06000C0/3000	4 200	191478
E3W06000C0/4000	5 600	191488
E3W06000C0/5000	7 000	191498

Slings 3 x TLC 4 / < 6000 kg

Model	Plate width max (mm)	Product code
E3W08500C0/1000	1 400	191558
E3W08500C0/2000	2 800	191568
E3W08500C0/3000	4 200	191578
E3W08500C0/4000	5 600	191588
E3W08500C0/5000	7 000	191598

Slings 3 x TLC 9 / < 9000 kg

Model	Plate width max (mm)	Product code
E3W10700C0/1000	1 400	191608
E3W10700C0/2000	2 800	191618
E3W10700C0/3000	4 200	191628
E3W10700C0/4000	5 600	191638
E3W10700C0/5000	7 000	191648

Horizontal plate clamps

TLR Lifting Clamp

- Adjustable clamps for horizontal plates
- Use in pairs for lifting plates or sheets, individual or in bundles
- Hot epoxy coating
- Safety factor: 3 (EN 13155)

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

TLH Lifting Clamp

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

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

PU = polyurethane coating

Horizontal plate clamps

2/3-legged chain sling with shackles for TLH/TLR clamps

- Standard lengths from 1 to 5 metres
- Additional notch hook to shorten chains
- Max angle between the 2 chains is 45°-60°
- To ensure the recommended angle, the maximum slab width determines the chain length

Slings 2x TLH 1 / ≤ 1000 kg

Model	Plate width max (mm)	Product code
E2W01600C0/1000	1 000	191008
E2W01600C0/2000	2 000	191018
E2W01600C0/3000	3 000	191028
E2W01600C0/4000	4 000	191038
E2W01600C0/5000	5 000	191048

Slings 2x TLH10/≤ 10000kg

Model	Plate width max (mm)	Product code
E2W11500C0/1000	1 000	191308
E2W11500C0/2000	2 000	191318
E2W11500C0/3000	3 000	191328
E2W11500C0/4000	4 000	191338
E2W11500C0/5000	5 000	191348

2xTLH2-3/≤2000kg-≤ 3000kg

Model	Plate width max (mm)	Product code
E2W04000C0/1000	1 000	191108
E2W04000C0/2000	2 000	191118
E2W04000C0/3000	3 000	191128
E2W06300C0/4000	4 000	191138
E2W06300C0/5000	5 000	191148

2xTLH4-5/≤4000kg-≤ 5000kg

Model	Plate width max (mm)	Product code
E2W06300C0/1000	1 000	191208
E2W06300C0/2000	2 000	191218
E2W06300C0/3000	3 000	191228
E2W06300C0/4000	4 000	191238
E2W06300C0/5000	5 000	191248

Slings 3x TLH 1 / ≤ 1500kg

Model	Plate width max (mm)	Product code
E3W024000C0/1000	1 000	191358
E3W024000C0/2000	2 000	191368
E3W024000C0/3000	3 000	191378
E3W024000C0/4000	4 000	191388
E3W024000C0/5000	5 000	191398

Slings 3x TLH10/≤ 15000kg

Model	Plate width max (mm)	Product code
E3W17000C0/1000	1 000	191658
E3W17000C0/2000	2 000	191668
E3W17000C0/3000	3 000	191678
E3W17000C0/4000	4 000	191688
E3W17000C0/5000	5 000	191698

3xTLH2-3/≤3000kg-≤ 4500kg

Model	Plate width max (mm)	Product code
E3W06000C0/1000	1 000	191458
E3W06000C0/2000	2 000	191468
E3W06000C0/3000	3 000	191478
E3W06000C0/4000	4 000	191488
E3W06000C0/5000	5 000	191498

3xTLH4-5/≤6000kg-≤ 7500kg

Model	Plate width max (mm)	Product code
E3W08500C0/1000	1 000	191558
E3W08500C0/2000	2 000	191568
E3W08500C0/3000	3 000	191578
E3W08500C0/4000	4 000	191588
E3W08500C0/5000	5 000	191598

Horizontal plate clamps

QR - Double Lifting Hook

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

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

QS Single Lifting Hook

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

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

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

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

QX - Double Lifting Hook

- Double hooks for separating & lifting horizontal plates
- Use in pairs with a 2-legged sling
- Manufactured without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

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

2-legged chain sling for QX hook

Slings 2x QX10 / ≤ 10000 kg

- Standard lengths from 1 to 5 metres - additional notch hook to shorten chains
- Max angle between the 2 chains is 50°-60°
- To ensure recommended angle, the max. plate width determines the chain length

Model	Plate width max (mm)	Product code
E2W11500HR/1000	1000	192258
E2W11500HR/2000	2000	192268
E2W11500HR/3000	3000	192278
E2W11500HR/3000	4000	192288
E2W11500HR/5000	5000	192298

Horizontal plate clamps

4-legged chain sling with shackles for QR hook

Slings 4 x QR3 / < 3000 kg

Model	Plate width max (mm)	Product code
E4W04000HR/1000	1 000	192358
E4W04000HR/2000	2 000	192368
E4W04000HR/3000	3 000	192378
E4W04000HR/4000	4 000	192388
E4W04000HR/5000	5 000	192398

Slings 4 x QR6 / < 6000 kg

Model	Plate width max (mm)	Product code
E4W6700HR/1000	1 000	192408
E4W6700HR/2000	2 000	192418
E4W6700HR/3000	3 000	192428
E4W6700HR/4000	4 000	192438
E4W6700HR/5000	5 000	192448

Slings 4x QR12 /< 12000kg

Model	Plate width max (mm)	Product code
E4W12900HR/1000	1 000	192458
E4W12900HR/2000	2 000	192468
E4W12900HR/3000	3 000	192478
E4W12900HR/4000	4 000	192488
E4W12900HR/5000	5 000	192498

- Additional notch hook to shorten chains
- Max angle between the 2 chains is 50°-60°
- To ensure the recommended angle, the maximum slab width determines the chain length

2-legged chain sling with shackles for QS hook

Sling 2x QS1.5 / < 1500kg

Model	Plate width max (mm)	Product code
E2W01600HR/1000	1 000	191708
E2W01600HR/2000	2 000	191718
E2W01600HR/3000	3 000	191728
E2W01600HR/4000	4 000	191738
E2W01600HR/5000	5 000	191748

Sling 2 x QS3 / < 3000kg

Model	Plate width max (mm)	Product code
E2W04000HR/1000	1 000	191808
E2W04000HR/2000	2 000	191818
E2W04000HR/3000	3 000	191828
E2W04000HR/4000	4 000	191838
E2W04000HR/5000	5 000	191848

Sling 2 x QS6 / < 6000kg

Model	Plate width max (mm)	Product code
E2W06700HR/1000	1 000	192158
E2W06700HR/2000	2 000	192168
E2W06700HR/3000	3 000	192178
E2W06700HR/4000	4 000	192188
E2W06700HR/5000	5 000	192198

- Standard lengths from 1 to 5 metres
- Additional notch hook to shorten chains
- Max angle between the 2 chains is 50°-60°
- To ensure the recommended angle, the maximum slab width determines the chain length

Drum clamps

HF Drum Clamp

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

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

VDL Drum Clamp

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

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

VLF Drum Clamp

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

Model	WLL (kg)	Drum diameter (mm)	Weight (kg)	Product code
VLF05 600	500	600	6.7	51268
VLF08 600	800	600	9.6	51278

Drum clamps

VFR Drum Clamp

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

Model	WLL (kg)	Drum diameter (mm)	Weight (kg)	Product code
VFR05 5	500	400-500	12	51248
VFR05 6	500	500-600	14	51258

VFA Drum Clamp

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

Model	WLL (kg)	Drum diameter (mm)	Weight (kg)	Product code
VFA 025	300	600	24	51208

VFB Drum Clamp

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

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

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.

Clamps for pipe and beam profiles

GP - Beam Clamp with Screw Spindle

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

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

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

Topal PL - Lifting Clamp For Beam Profiles

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

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

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.

Clamps for pipe and beam profiles

PR lifting clamp for rail profile

- Semi-automatic rail clamps
- Lifting of vignola profile rails
- Without load-bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 standard)

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

RT - Lifting Clamp For Round Materials and Pipe Sections

- Clamps come in both semi-automatic and fully automatic versions
- Lifting of round or square bars, tubes and small profiles, singly or in tied bundles
- (Semi) automatic clamps for round materials
- Without load-bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003)

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

RT = Automatic release
RTA = Automatic clamping and release

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

2 RT klemmen met hijsbalk

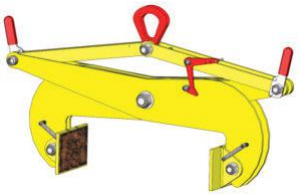
RT

Automatische RT

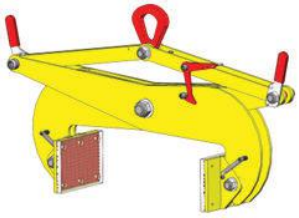
RT met brede pads

RT met brede pads, chloropheen coating

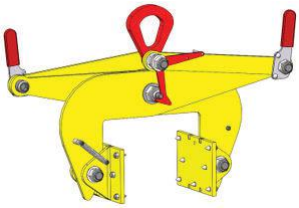
Parallel sides load clamp



met korrelige plaat



Met polyurethaan plaat



Met stalen punten

A = automatic one

PO = spiked

APO = automatic spiked

MG = grained

AMG = automatic grained

PU = Polyurethane caoting pads

APU = Automatic one with polyurethane caoting pads

PB - Block Clamp

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

PB - PVC plate (standard)

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

PB - grained pads (MG)

- For medium hard and soft materials such as wood, plastic, rubber, foam and cardboard.
- Light marking (scratching) on the load

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

Parallel sides load clamp

PB - steel points (PO)

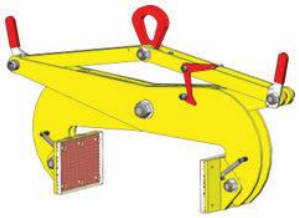
- For medium hard and soft materials such as wood, plastic, rubber, foam and cardboard.
- Marking on the load

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

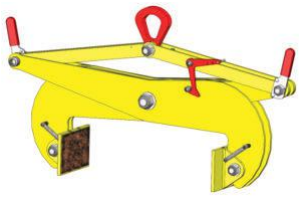
PB - Polyurethane coated sheets (PU)

- For hard products such as stone, concrete and metal.
- Very suitable for abrasive products.

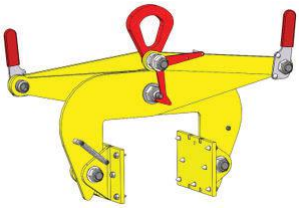
Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PB05 0-100 / PU	500	0-100	9	189528
PB05-100-250 PU	500	100-250	18	189538
PB05 200-500 / PU	500	200-500	18	189548
PB1 0-200 / PU	1,000	0-200	23	189558
PB1 200-500 / PU	1,000	200-500	46	189568
PB1 500-800 / PU	1,000	500-800	71	189578
PB1 700-1000 / PU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



with PU pads



with grained pads



with spiked pads

A = automatic one

PO = spiked

APO = automatic spiked

MG = grained

AMG = automatic grained

PU = polyurethane caoting pads

APU = Automatic one with polyurethane caoting pads

PP - Block Clamp

- Adjustable lifting clamp for lifting loads of steel, concrete, wood, plastic, etc., with parallel side.
- Clamping jaw, width 200 mm, rubberised as standard for optimum grip, non-marking.

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

Load positioning

TC Load Positioning Lifting Eye

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

Model	WLL 45° (kg)	WLL 90° (kg)	WLL 120° (kg)	Wire rope ø (mm)	Weight (kg)	Product code
TC2 11	2 000	1 400	7 000	11	3	50828
TC3 13	3 000	2 100	1 500	13	5	50838
TC5 18	5 000	3 500	2 500	18	10	50848
TC10 26	10 000	7 000	5 000	26	32	88408

TE Load Positioning Lifting Eye

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

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

TF Load Positioning Lifting Eye

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

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

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.

Various lifting equipment

AH - Autohook Lifting Hook

- For lifting loads that are inaccessible or difficult for the operator to reach (temperature, height, extreme conditions, etc.)
- Automatic safety hook
- Without load-bearing welds
- Automatic opening and closing without operator action
- Hot epoxy coating
- Static test coefficient: 2

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

open positie

gesloten positie

CC - Container Lug

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

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

CR - C-Shaped Lifting Hook For Coils

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

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

open positie

gesloten positie

Various lifting equipment

PC Fork-Lift Truck Lifting Beam

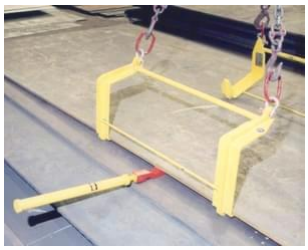
- Lifting eye for fork-lift truck
- Quick and easy to install
- Unique design
- Safe to use
- Hot applied epoxy coating

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

TO - Lifting Hook For Cable Reels

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

Model	WLL (kg) per hook	Lifting eye (mm)	Weight (kg)	Product code
To13	6,500	27	3	51198



LT - Bar For Separating Plates

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

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

Lifting beams

PEM Lifting Beam with Adjustable Lifting Eyes

Range of lifting beams with fixed or adjustable load-centre distance fitted with 2 lower attachment components.
Each lower attachment point allows a shackle to be attached to which lifting accessories can be fitted.

Model	WLL (kg)	Length (cm)	Product Code
PEM1-1000	1,000	1000	82308
PEM1-2000	1,000	2000	82318
PEM1-3000	1,000	3000	82328
PEM1-4000	1,000	4000	82338
PEM1-5000	1,000	5000	82348
PEM2-1000	2,000	1000	82358
PEM2-2000	2,000	2000	82368
PEM2-3000	2,000	3000	82378
PEM2-4000	2,000	4000	82388
PEM2-5000	2,000	5000	82398
PEM3-1000	3,000	1000	82408
PEM3-2000	3,000	2000	82418
PEM3-3000	3,000	3000	82428
PEM3-4000	3,000	4000	82438
PEM3-5000	3,000	5000	82448
PEM4-1000	4,000	1000	82458
PEM4-2000	4,000	2000	82468
PEM4-3000	4,000	3000	82478
PEM4-4000	4,000	4000	82488
PEM4-5000	4,000	5000	82498
PEM5-1000	5,000	1000	82508
PEM5-2000	5,000	2000	82518
PEM5-3000	5,000	3000	82528
PEM5-4000	5,000	4000	82538
PEM5-5000	5,000	5000	82548
PEM6-1000	6,000	1000	82558
PEM6-2000	6,000	2000	82568
PEM6-3000	6,000	3000	82578
PEM6-4000	6,000	4000	82588
PEM6-5000	6,000	5000	82598

PAL-Beam Lifting Beam

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

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

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

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

PBM PAL-BEAM Lifting Beam with Adjustable Lifting Eyes

Model	WLL (kg)	Length (cm)	Weight (kg)	Product Code
PBMA1-A	1,000	1000	33	51838
PBMA1-D	1,000	2000	52	51868
PBMA1-G	1,000	3000	72	51898
PBMB1-J	1,000	4000	141	51928
PBMA2-A	2,000	1000	33	51938
PBMB2-D	2,000	2000	80	51968
PBMB2-G	2,000	3000	110	51998
PBMC2-J	2,000	4000	167	52028
PBMB3-A	3,000	1000	50	3799
PBMB3-D	3,000	2000	80	52068
PBMC3-G	3,000	3000	131	52098
PBMD3-J	3,000	4000	202	52128
PBMC4-A	4,000	1000	60	52138
PBMC4-D	4,000	2000	80	52168
PBMD4-G	4,000	3000	160	52198
PBME4-J	4,000	4000	283	52228
PBMD5-A	5,000	1000	75	52238
PBMD5-D	5,000	2000	117	52268
PBME5-G	5,000	3000	223	52298
PBME5-J	5,000	4000	283	52328

Lifting beams

XBAG Cross Lifting Beam For Big-Bags

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

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

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 6. Maximum quantities apply for this service.

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

Pal-Turn

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

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

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

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

Options:

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

Standard configuration:

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

NEW

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

Adjustable H beam

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

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

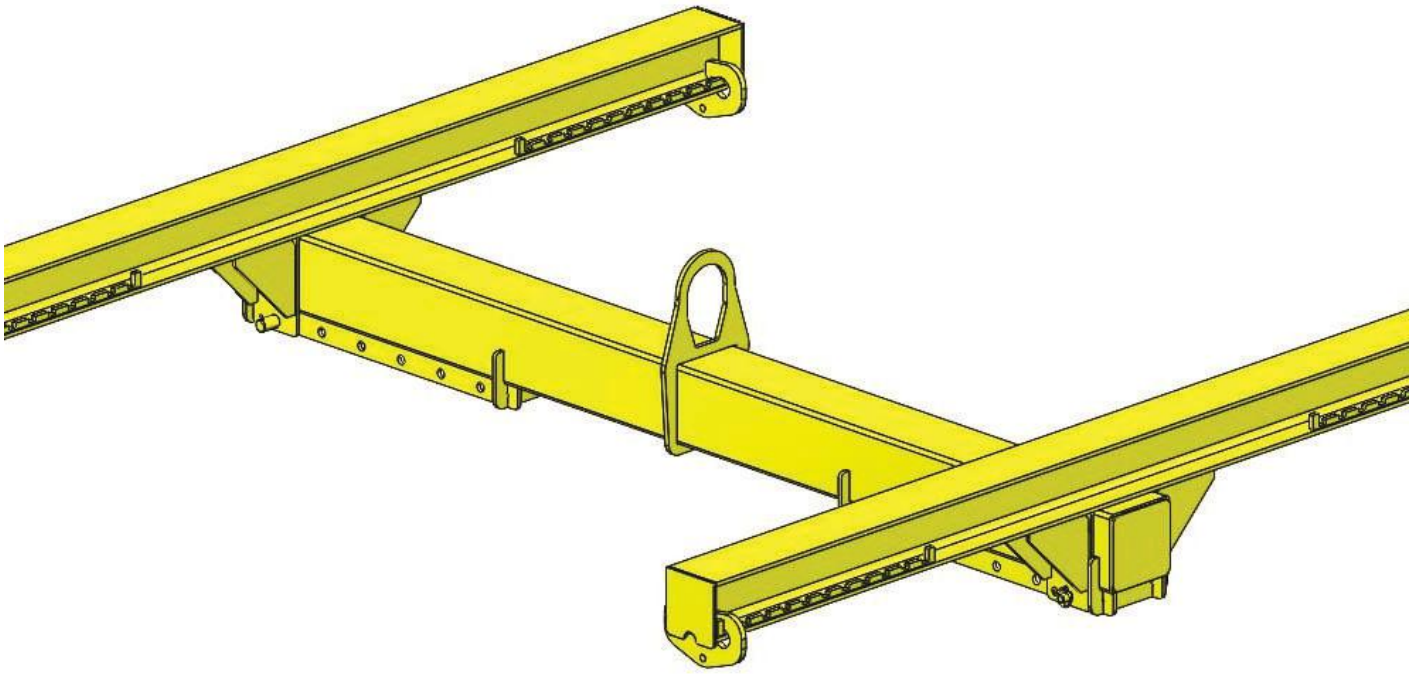
You can therefore adapt to the load dimensions and positions of the center of gravity, and use it for various loads.

1 ton

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

2 tons

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



Adjustable H beam

3 tons

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

4 tons

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

5 tons

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

6 tons

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

Adjustable H beam

8 tons

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

10 tons

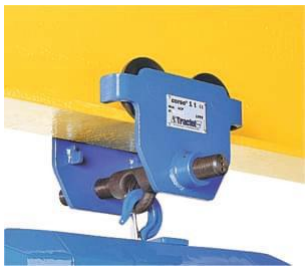
Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 10t - L1 - W1	1 - 0.4	1 - 0.4	207	220358
PHM 10t - L2 - W1	2 - 1	1 - 0.4	303	220368
PHM 10t - L2 - W2	2 - 1	2 - 1	467	220378
PHM 10t - L3 - W1	3 - 1	1 - 0.4	419	220388
PHM 10t - L3 - W2	3 - 1	2 - 1	629	220398
PHM 10t - L4 -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

Beam trolleys for material handling

Corso push beam trolleys

The Corso push and manually operated geared trolleys can be quickly and easily assembled onto a steel beam, with both a straight and sloping flange, creating a reliable and moveable anchor point for lifting equipment such as Tirfor, Bravo, Tralift, Minifor, Volt trac and Tralift TT.

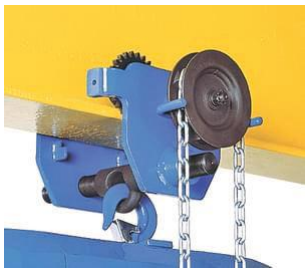
It is possible to manually adjust the opening, so the trolley can be easily positioned and adjusted to the most frequently used profiles.



Model	WLL	Flange Width (mm)	Min.Radius (mm)	Weight (kg)	Product Code
C250	250	45 - 152	650	3.5	69289
C500	500	50 - 220	900	8.5	23309
C1000	1,000	58 - 220	1 000	10.5	23319
C2000	2,000	66 - 220	1 200	18	23329
C3000	3,000	74 - 220	1 300	32	23379
C5000	5,000	90 - 220	1 400	48.5	23389
C10000	10,000	142 - 320	2 500	105	56279

Corso geared beam trolleys

- Push and geared trolleys with WLL from 250kg to 20t
- For beam widths from 45 - 320 mm depending on capacity
- Handle included for quick and easy adjustment of the hanger bar to suit the beam size
- Folded steel end stops which also act as anti-drop bars and anti-tilt devices welded onto side plates
- Hanger bar preventing from rotating by tightening a grub screw
- Steel wheels with ball bearings for smooth running
- In accordance with EU Machine Directive 2006/42/EC



Model	WLL	Flange Width (mm)	Weight (kg)	Product Code
1000	1,000	58 - 220	19	23339
2000	2,000	66 - 220	22.5	23349
3000	3,000	74 - 220	37.5	23359
5000	5,000	90 - 220	55	23369
10000	10,000	142 - 320	115	56289
20000	20,000	153 - 320	254	56299

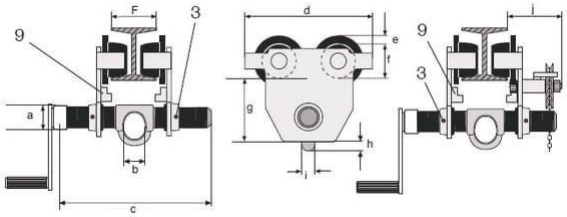
Accessories for Corso

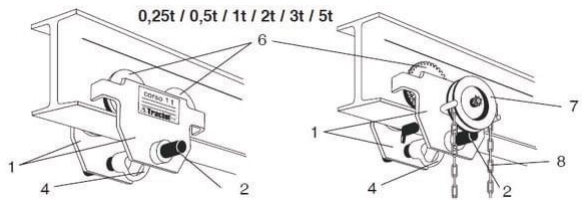
0.25 t to 5 t

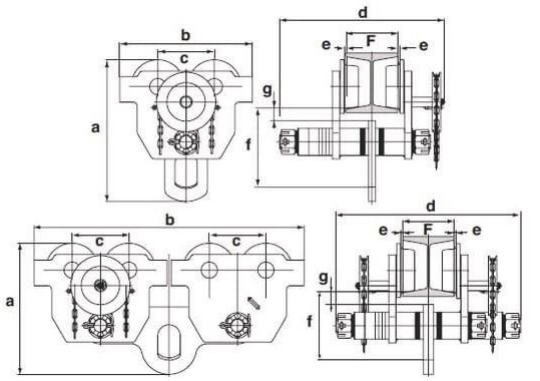
WLL	A	B	C	D	E	F	G	H
250	22	22	220	175	11	50	74	7
500	27	25	324	225	15	62	88	16
1,000	30	30	334	252	15	62	103	17
2,000	38	40	342	300	18	80	127	18
3,000	45	48	358	360	15	97	177	18
5,000	52	58	372	400	20	110	192	23

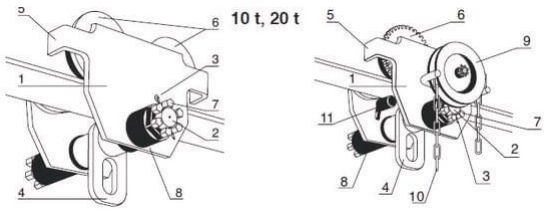
All dimensions in mm.

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









10 t to 20 t

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

All dimensions in mm.

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

Extension bar

Model	Flange Width (mm)	Description	Product Code
0.5	160-320	to suit 0.5t push trolley 023309	14652
1T	160-320	to suit 1t push trolley 023319 and 1t geared trolley 023339	14662
2T	160-320	to suit 2t push trolley 023329 and 2t geared trolley 023349	14672
3T	160-320	to suit 3t push trolley 023379 and 3t geared trolley 023359	14682
5T	180-320	to suit 5t push trolley 023389 and 5t geared trolley 023369	14692

Beam clamps for material handling

Corso beam clamps for material handling

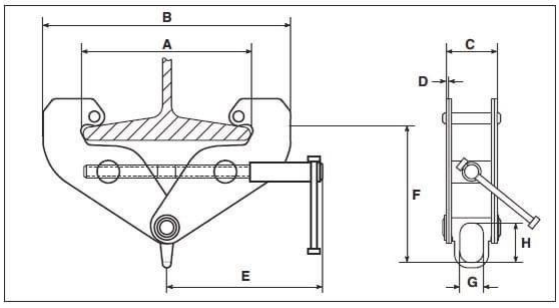
The Corso beam clamp range can be quickly and easily assembled onto a steel beam, creating a reliable anchor point for lifting equipment such as Tirfor, Bravo, Tralift, Minifor and Tralift TT.

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

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

Technical information

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



Toe jacks

Hydrofor hydraulic toe jack

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

Model	WLL (t)	a	b	c	d	e	f	g	Max. effort handle (N)	Weight (kg)	Product code
H5	5	368 - 573	745	140	213	Ø93	25	205	450	20	243269
H10	10	420 - 650	745	170	205	Ø103	30	230	500	28	243279
H25	25	505 - 720	1305	210	420	155 x 155	58	215	450	109	79909

Top mechanical toe jacks

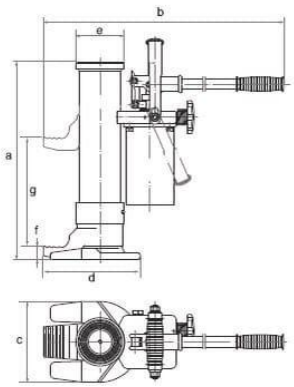
The Top mechanical toe jacks have a back and forth action on the handle to allow them to be operated in confined spaces.

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

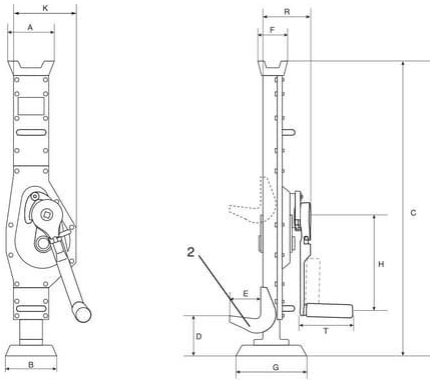
- WLL 1.500 kg to 10.000 kg
- Robust steel construction
- Vertical and horizontal operation
- Load capacity 100% on the head or toe
- Crank with folding handle
- Back and forth action on the handle

Model	WLL (t)	Lifting height (mm)	Max. handle effort (daN)	A	B	C	D	E	F	G	H	K	R	T	Weight (kg)	Product code
BT 1,5	1.5	300	30	81	100	600	70	55	46	110	225	147	119	113	18	264889
BT 3	3	355	35	83	130	735	70	60	45	138	249	168	129	130	20	264899
BT 5	5	345	40	108	140	735	80	71	68	170	249	190	146	130	28	264909
BT 10	10	390	58	124	140	800	100	86	76	170	300	250	168	239	46	264919

Dimensions of the jacks



Technical drawing hydrofor



Technical drawing top jack

Pioneer hand pallet truck

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

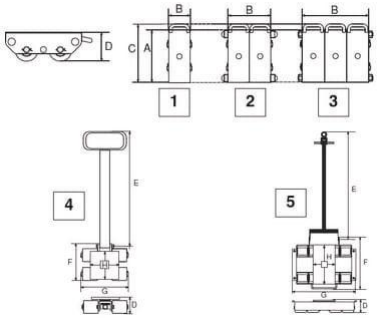
- 2.000 kg to 3.000 kg
- Robust chassis and forks manufactured from steel
- High-performance hydraulic pump
- Controlled lowering of the load
- 3-position operation
- Polyurethane, Nylon or Rubber Steering wheels
- Polyurethane or Nylon load rollers

Model	WLL	Length (cm)	Height (cm)	Depth (cm)	Fork Width	Lifting Height (m)	Weight (kg)	Product Code
Pioneer pallet truck - 2500	2,500	1500 (1150)	550 (150)	1180	250	84/200	87	251179

Pakrol skates and trolley skates

Pakrol™ transport rollers are suitable for easy and smooth transport of heavy loads on the ground. This movement is performed manually by the user on a flat surface. Check that the surface is resistant to the total load. Concrete or tiled floors are particularly suitable for safely moving these loads.

- A modular system for steering and moving loads
- Steering trolley is equipped with turntables and transport lever
- Rollers can be joined together to increase capacity
- Nylon or PU rollers with ball bearings
- WLL 2,000 kg to 20,000 kg



Model	Description	Type	WLL (t)	A	B	C	D	E	F	G	H	Weight (kg)	Product code
Skate 2t NY	2 wheel nylon skate	1	2	270	106	308	110	-	-	-	-	5	50149
Skate 4t NY	4 wheel nylon skate	2	4	270	232	308	110	-	-	-	-	11	50159
Skate 6t NY	6 wheel nylon skate	3	6	270	348	308	110	-	-	-	-	25	50169
Skate 2t PU	2 wheel PU skates	1	2	270	106	308	110	-	-	-	-	5	55549
Skate 4t PU	4 wheels PU skate	2	4	270	232	308	110	-	-	-	-	11	55559
Skate 6t PU	6 wheel PU skates	3	6	270	348	308	110	-	-	-	-	25	55569
Trolley skate 4t NY	4 wheel nylon trolley skate	4	4	-	-	-	110	940	230	297	145 x 180	14	50179
Trolley skate 6t NY	8 wheel nylon trolley skate	5	8	-	-	-	110	1200	530	640	400 x 220	50	50189
Trolley skate 4t PU	4 wheels PU trolley skate	4	4	-	-	-	110	940	230	297	145 x 180	14	55579
Trolley skate 8t PU	8 wheel PU trolley skate	5	8	-	-	-	110	1200	530	640	400 x 220	50	50199
Connection bar	-	-	-	-	-	-	-	-	-	-	-	-	74517

For enquiries above 8.000kg, please contact our Customer Service.

Material-only load arrester

When a material-only load is being lifted or lowered, it may be important to add a secondary safety device to make sure that the load cannot fall in the event of an incident. For example when the load falling could endanger people in the vicinity. This is also the case when the load or the area underneath the load has a significant value and requires protection.

Our load arrester range consist of 3 different types that all work on the basis of the same principle. The load is connected to the load arrester by a wire rope. If the main lifting rope or device experiences a malfunction and the load starts to fall, the load arrested device will detect the increasing speed of the wire rope and will immediately stop the load from falling.

Blocstop

Our tried and tested Blocstop solution can work with an unlimited length of wire rope while the Blocstop is attached to a supporting structure.

Blocmat S and SI

The Blocmat S and SI offer wire rope storage with a maximum capacity up to 25m, which is automatically stored on an integrated reeler. The S or Si version is to be permanently installed on a ceiling or floor.

Blocmat TSD

The Blocmat TSD is a mobile load arrested that can be easily moved from location to location. All that is required for installing the Blocmat TSD is a fixing point or hook with 4x the capacity of the load arrester.

	Blocstop	Blocmat S and SI	Blocmat TSD
Load capacity	350-3000 kg	500-1000 kg	250 kg
Triggering speed	20,30,40,60 m/min	30 m/min	35 m/min
Daily check	✓	✓	✓
Unlimited wire rope	✓	-	-
Wire rope storage	-	✓	✓
Fastening interface needed	✓	✓	✓
Reset after actuation*	✓	✓	
Integrated pretension of wire rope	-	✓	✓
Sheaving/reeving possibility	✓	-	-
Electrical connectivity to the lifting equipment	✓	-	-
Shock absorber (limits to 6.5 kN)	-	-	✓

Material-only load arrester

Blocstop BSO

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

BSO – Blocstop operating by overspeed detection :

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

Furthermore, the Blocstop BSO has been tested using many times the nominal load in order to ensure an extremely large safety margin.
We are constantly working to improve our products.

Features Blocstop BSO :

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

Model	WLL (kg)	Activation speed (m/min)	Rope ø (mm)	Features	Weight (kg)	Product code
BSO 510	350	30	6	-	4,3	291849
BSO 510E	350	30	6	with limit switch and 2m cable fitted with plug for tirak™ connection	4,3	291859
BSO 510E	350	30	6	with limit switch and 2m cable fitted with cable gland for tirak™ connection	4,3	296369
BSO 1004	600	40	8	-	6,5	291889
BSO 1004E	600	40	8	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	291899
BSO 1004E	600	40	8	with limit switch and 2m cable fitted with cable gland for tirak™ connection	6,5	296429
BSO 1026	600	60	9	-	6,5	291969
BSO 1026E	600	60	9	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	291979
BSO 1026E	600	60	9	with limit switch and 2m cable fitted with cable gland for tirak™ connection	6,5	296469
BSO 1024	800	40	9	-	6,5	291909
BSO 1024E	800	40	9	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	291919
BSO 1024E	800	40	9	with limit switch and 2m cable fitted with cable gland for tirak™ connection	6,5	296439
BSO 1022	1,000	20	9	-	6,5	291729
BSO 1022E	1,000	20	9	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	291739
BSO 1022E	1,000	20	9	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	296399

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 load arrester

Model	WLL (kg)	Activation speed (m/min)	Rope ø (mm)	Features	Weight (kg)	Product code
BSO 1022EFA	1,000	20	9	with remote triggering of the BSO	6,5	291749
BSO 1020	1,000	30	9	-	6,5	291869
BSO 1020E	1,000	30	9	with limit switch and 2m cable fitted with cable gland for tirak™ connection	6,5	296419
BSO 1020E	1,000	30	9	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	291879
BSO 1034	1,000	40	10	-	6,5	291929
BSO 1034E	1,000	40	10	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	291939
BSO 1034E	1,000	40	10	with limit switch and 2m cable fitted with cable gland for tirak™ connection	6,5	296449
BSO 1032	1,200	20	10	-	6,5	291759
BSO 1032E	1,200	20	10	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	291769
BSO 1032E	1,200	20	10	with limit switch and 2m cable fitted with cable gland for tirak™ connection	6,5	296409
BSO 1032EFA	1,200	20	10	with remote triggering of the BSO	6,5	291779
BSO 1044	1,200	40	11	-	6,5	291949
BSO 1044E	1,200	40	11	with limit switch and 2m cable fitted with plug for tirak™ connection	6,5	291959
BSO 1044E	1,200	40	11	with limit switch and 2m cable fitted with cable gland for tirak™ connection	6,5	296459
BSO 1042EFA	1,200	20	11	with remote triggering of the BSO	6,5	283969
BSO 2552	2,500	20	14	-	14	291819
BSO 2552E	2,500	20	14	with limit switch and 2m cable fitted with plug for tirak™ connection	14	291829
BSO 2552E	2,500	20	14	with limit switch and 2m cable fitted with cable gland for tirak™ connection	14	296499
BSO 2552EFA	2,500	20	14	with remote triggering of the BSO	14	291839
BSO 3060	3,000	30	16	-	14	291989
BSO 3060E	3,000	30	16	with limit switch and 2m cable fitted with plug for tirak™ connection	14	291999
BSO 3060E	3,000	30	16	with limit switch and 2m cable fitted with cable gland for tirak™ connection	14	296509

Set of straps

for Blocstop

Model	Product Code
straps for BSO 510 - 1044	42517
straps for BSO 2050 - 3060	198247

Counterweights

for Blocstop

Model	Product Code

Load arrester

Blocmat S Ceiling Assembly and SI, Floor Assembly

Automatic wire rope load arrester with an integrated drum reeler.

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

Available models in the Blocmat series:

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

Features Blocmat S Ceiling assembly and SI Floor assembly:

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

Model	WLL (kg)	Length of wire rope (mm)	Wire rope ø (mm)	Weight (kg)	Product code
S 500/8 - suspended version	500	8	9.5	39	299499
S 500/25 - suspended version	500	25	9.5	45	299509
S 1000/8 - suspended version	1,000	8	9.5	39	47379
S 1000/25 - suspended version	1,000	25	9.5	45	75399
SI 1000/10 - floor mounted version	1,000	10	9.5	40	47309
SI 1000/25 - - floor mounted version	1,000	25	9.5	45	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.

Load arrester

Blocmat TSD

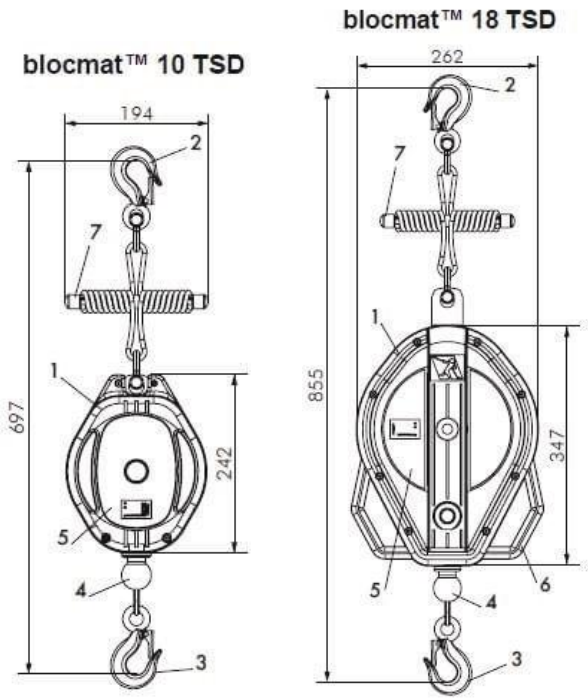
The Blocmat TSD: An advanced self-retracting load fall arrest solution. Equipped with the innovative TSD system (Top System Dissipator), the Blocmat TSD guarantees a falling load of less than 650daN, even if the load drops when the cable is fully unwound.

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

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

This product comes equipped with Tracinfo, an online service that simplifies the way you access product documentation. With Tracinfo, you can get instant access to manuals, certificates, and more with just a few clicks.

Model	WLL (kg)	Dimensions (mm)	Length of wire rope (mm)	Wire rope ø (mm)	Activation speed (m/min)	Weight (kg)	Product code
Blocmat 10 TSD	250	697 x 194 x 95	10	4,9	35	5,9	279479
Blocmat 18 TSD	250	855 x 262 x 110	18	5	35	9,6	279489



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

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 and Control

Dynafor load cells

Page 126–137

Mechanical Dynasafe

Page 138–138

Electronic Dynasafe

Page 139–143

Dynarope Tension meters

Page 144–145

Anchor testers

Page 146–146

○ Available on request. Please enquire about delivery times for these items.

● Order on day 1, shipment no later than day 3 (maximum quantities).

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

Dynafor loadcells

a wide range

	Handifor	Dynascale	Dynafor Industrial	Dynafor Pro	Dynafor Expert
Accuracy	±0,5%	±0,5%	±0,3 %	±0,2 %	±0,1 %
Capacity	20 kg to 200 kg	1 t to 12,5 t	1 t to 20 t	1 t to 250 t	0,5 t to 10 t
Functions	Tare, Peak hold, Units change (kg, daN, lbs)	Tare, Peak hold, Units change (kg, daN, lbs)	Tare, Peak hold, Units change (kg, daN, lbs)	Tare, Peak hold, Units change (kg, t, US ton, daN, lbs), Settable alarms, Data saving, Multiple readings	
Display	Display integrated on the loadcell with 14 mm digits	Display integrated on the load cell with 30 mm digits	Display integrated on the load cell with 18 mm digits	Multiple display options: • Multiple reading of load cells on the HHD, wireless range up to 400 m • Free app compatible with Android and iOS devices Download on the App Store GET IT ON Google Play • AL63 giant remote display with 1 to 4 load cells, wireless range up to 200 m.	
Battery life	Up to 100 h	Up to 50h	Up to 300 h	Up to 1 000 h	
IP rating	IP40	IP54	IP65	IP65 as standard, IP67 available as option	IP64 as standard, IP67 available as option
Lifting accessories	None	Compatible with bow shackles and hooks	Compatible with bow shackles	Compatible with bow shackles	Compatible with bow and clevis shackles
Applications	• Hand weighing	• Overhead weighing • Safety and lifting applications • Quality controls • Logistics	• Overhead weighing • Force measurement testing • Towing applications • Safety and lifting applications	• Overhead weighing • Force measurement testing • Towing applications • Safety and lifting applications • Water bag load testing • Heavylift projects • R&D projects • Load balancing • Load monitoring on lifting equipment	• Overhead weighing • Force measurement testing • Towing applications • Safety and lifting applications • R&D projects • Load balancing • Load monitoring on lifting equipment

Handifor load indicator

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

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

Model	W.L.L	Accuracy	Resolution	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

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

Dynascale

NEW

Dynascale

Featuring an integrated display, the Dynascale series of weighing hooks provides great visibility, with an accuracy of 0.5%.

- Capacity range from 1t up to 12.5t
- 5-digit LCD display, 30mm height
- 0.5% accuracy of measuring range
- Automatic time off set at 20 min (removal in option)
- Multiple integrated functions : On, Tare, Peak Hold, Units change (kg, lbs, daN)
- IP54 protection rating
- QR code on side face leading to technical documentation and traceability at all time

Model	W.L.L	Accuracy	Resolution	Weight (kg)	Product Code
Dynascale 1t	1	±5	1	3.5	299089
Dynascale 3.2t	3.2	±16	2	3.6	299099
Dynascale 6.5t	6.5	±32.5	5	6.3	299109
Dynascale 12.5t	12.5	±62.5	10	15.8	299119
Infrared remote control (incl. as standard)	-	-	-	-	299319

Delivery includes the Dynascale, an infrared remote control, 2 fasteners, user manual, calibration report and declaration of conformity. Supplied in a plastic case with protective foam padding. The above weights include closures.

Eye hook

Model	Product Code
Eye hook 1t-3.2t	299289
Eye hook 6.5t	299299
Eye hook 12.5t	299309

Swivel hook for Dynafor

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

Dynafor Industrial

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

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

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

Delivery includes the Dynafor Industrial, user manual, calibration report and declaration of conformity. Supplied in a plastic case with foam protection.

Bow shackle for Dynafor

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

Swivel hook for Dynafor

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

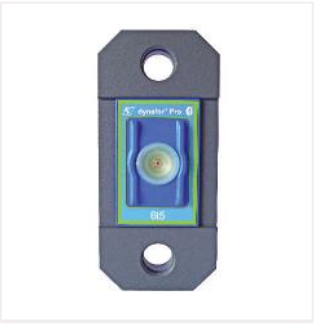
Order products on day 1, will be shipped no later than day 2

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 Pro

Dynamometer



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

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

Model	WLL (t)	Accuracy (kg)	Weight (kg)	Product code
Dynafor Pro 1T	1	±2	0.7 kg	293369
Dynafor Pro 1t with HHD	1	±2	0.7 kg	359000
Dynafor Pro 3,2T	3.2	±6,4	0.86 kg	293379
Dynafor Pro 3.2t | with HHD	3.2	±6,4	0.86 kg	359010
Dynafor Pro 6,5T	6.5	±13	1.6 kg	293389
Dynafor Pro 6.5t | with HHD	6.5	±13	1.6 kg	359020
Dynafor Pro 15T	15	±30	3.66 kg	293399
Dynafor Pro 15t | with HHD	15	±30	3.66 kg	359030
Dynafor Pro 25T	25	±50	5.33 kg	293409
Dynafor Pro 25 t | with HHD	25	±50	5.33 kg	359040
Dynafor Pro 50T	50	±100	11.45 kg	293419
Dynafor Pro 50t | with HHD	50	±100	11.45 kg	359050
Dynafor Pro 100T	100	±200	27.48 kg	293429
Dynafor Pro 100t | with HHD	100	±200	27.48 kg	359060
Dynafor Pro 250T	250	±500	97.98 kg	293439
Dynafor Pro 250t | with HHD	250	±500	97.98 kg	359070
Option - IP 67	-	-	-	281077
Option - ISO 376 calibration : 0.5T to 10T	-	-	-	109407
Option - ISO 376 calibration : 10T to 50T	-	-	-	109417

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

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 Pro

Lifting accessories

Bow shackle for Dynafor

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

Swivel hook for Dynafor

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

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 Pro

Display accessories

Dynafor HHD

The Dynafor HHD is a complete and versatile handheld display.

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

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

Model	Product Code
Dynafor HHD	293449

Delivery includes the Dynafor HHD, user manual, robust plastic case and declaration of conformity.
Supplied in sturdy cardboard packaging.

Dynafor AL63

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

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

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

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

Multiple configurations of monitors, sensors and displays are possible.

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

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

Dynafor Pro

Monitoring unit + softwares accessories

Dynafor DMU

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

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

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

Delivery includes the Dynafor DMU, user manual and declaration of conformity.
Supplied in sturdy cardboard packaging.

Dynasoft - software for Dynafor

The Dynasoft suite is composed of several modules:

- **Dynasoft Download** allows the transfer of measurements stored in our Dynafor HHD to the PC
- **Dynasoft Threshold Management** allows to transfer the alarm data saved in our Dynafor HHD to the PC
- **Dynasoft Monitoring** to perform real-time monitoring, recording and processing. The software needs to be used conjointly with our Dynafor HHD, and one to 16 Dynafor loadcells.

Two packages are available. The basic and premium licenses are valid for an initial period of 1 year, which can be extended on expiration.

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

Softwares are delivered with an activation code.
An internet connection is required to activate the software.
Licences to use 'Basic' and 'Premium' are valid for one year and can be renewed for another year.

Certificates for Dynafor

Model	Product Code
ISO 376 Certificate for Dynafor: 0,5 to 10 t	109407
ISO 376 Certificate for Dynafor: 15 to 50 t	109417
Calibration certificate - 100 t	293429
Calibration certificate according to ISO 376 - 100 t	299459
Calibration certificate according to ISO 376 - 250 t	299469

Dynafor Expert

Dynamometer

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

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

Model	WLL (t)	Accuracy (kg)	Weight (kg)	Product code
Dynafor Expert 0.5T	0.5	±0.5	2.3 kg	293299
Dynafor Expert 0,5t | with HHD	0,5	±0.5	2,3 kg	359080
Dynafor Expert 1T	1	±1	2.3 kg	293309
Dynafor Expert 1t | with HHD	1	±1	2,3 kg	359090
Dynafor Expert 2T	2	±2	2.3	293319
Dynafor Expert 2t | with HHD	2	±2	2,3	359100
Dynafor Expert 3.2T	3.2	±3.2	2.3	293329
Dynafor Expert 3,2t | with HHD	3,2	±3.2	2,3	359110
Dynafor Expert 5T	5	±5	3.35 kg	293339
Dynafor Expert 5t | with HHD	5	±5	3,35 kg	359120
Dynafore Expert 6.3T	6.3	±6.3	3.35 kg	293349
Dynafor Expert 6,3t | with HHD	6,3	±6.3	3,35 kg	359130
Dynafor Expert 10T	10	±10	6.45	293359
Dynafor Expert 10t | with HHD	10	±10	6,45	359140
Option - IP 67	-	-	-	281067
Option - ISO 376 calibration : 0.5T to 10T	-	-	-	109407

Suitable for use with various accessories.
Supplied in a plastic case with 1 calibration certificate, operating instructions and CE certificate.

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 Expert

Lifting accessories

Bow shackle for Dynafor

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

Clevis shackle for Dynafor

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

Hook for Dynafor

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

Dynafor Expert

Display accessories

Dynafor HHD

The Dynafor HHD is a complete and versatile handheld display.

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

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

Model	Product Code
Dynafor HHD	293449

Delivery includes the Dynafor HHD, user manual, robust plastic case and declaration of conformity.
Supplied in sturdy cardboard packaging.

Dynafor AL63

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

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

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

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

Multiple configurations of monitors, sensors and displays are possible.

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

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

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 Expert

Monitoring unit + Softwares accessories

Dynafor DMU

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

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

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

Delivery includes the Dynafor DMU, user manual and declaration of conformity.
Supplied in sturdy cardboard packaging.

Dynasoft - software for Dynafor

The Dynasoft suite is composed of several modules:

- **Dynasoft Download** allows the transfer of measurements stored in our Dynafor HHD to the PC
- **Dynasoft Threshold Management** allows to transfer the alarm data saved in our Dynafor HHD to the PC
- **Dynasoft Monitoring** to perform real-time monitoring, recording and processing. The software needs to be used conjointly with our Dynafor HHD, and one to 16 Dynafor loadcells.

Two packages are available. The basic and premium licenses are valid for an initial period of 1 year, which can be extended on expiration.

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

Softwares are delivered with an activation code.
An internet connection is required to activate the software.
Licences to use 'Basic' and 'Premium' are valid for one year and can be renewed for another year.

Certificates for Dynafor

Model	Product Code
ISO 376 Certificate for Dynafor: 0,5 to 10 t	109407
ISO 376 Certificate for Dynafor: 15 to 50 t	109417
Calibration certificate - 100 t	293429
Calibration certificate according to ISO 376 - 100 t	299459
Calibration certificate according to ISO 376 - 250 t	299469

Mechanical Dynasafe

Dynasafe Mecha

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

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

Model	WLL (kg)	Wire rope ø (mm)	Product code
Dynasafe Mecha 3.2	3200	5-16	293599
Dynasafe Mecha 7	7000	17-26	198959
Dynasafe Mecha 12	12000	27-36	38668
Option Mecha 3.2 - Extra cable lenght	-	-	282847
Option Mecha 7 - Extra cable lenght	-	-	288907

Delivery: Dynasafe HF05, operating instructions and declaration of conformity. Delivered in sturdy cardboard packaging.

Dynasafe HF 05

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

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

Model	WLL (kg)	Product code
HF05/1/A2/AL	500	207298
HF05/2/A2/AL	1 250	207308
HF05/3/A2/AL	2 000	207318

Levering: Dynasafe HF05, de gebruiksaanwijzing en de conformiteitsverklaring. Geleverd in stevige kartonnen verpakking.

Dynasafe Mecha and HF05 adjustment

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

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

Electronic Dynasafe

Electronic load limiter

Applications

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

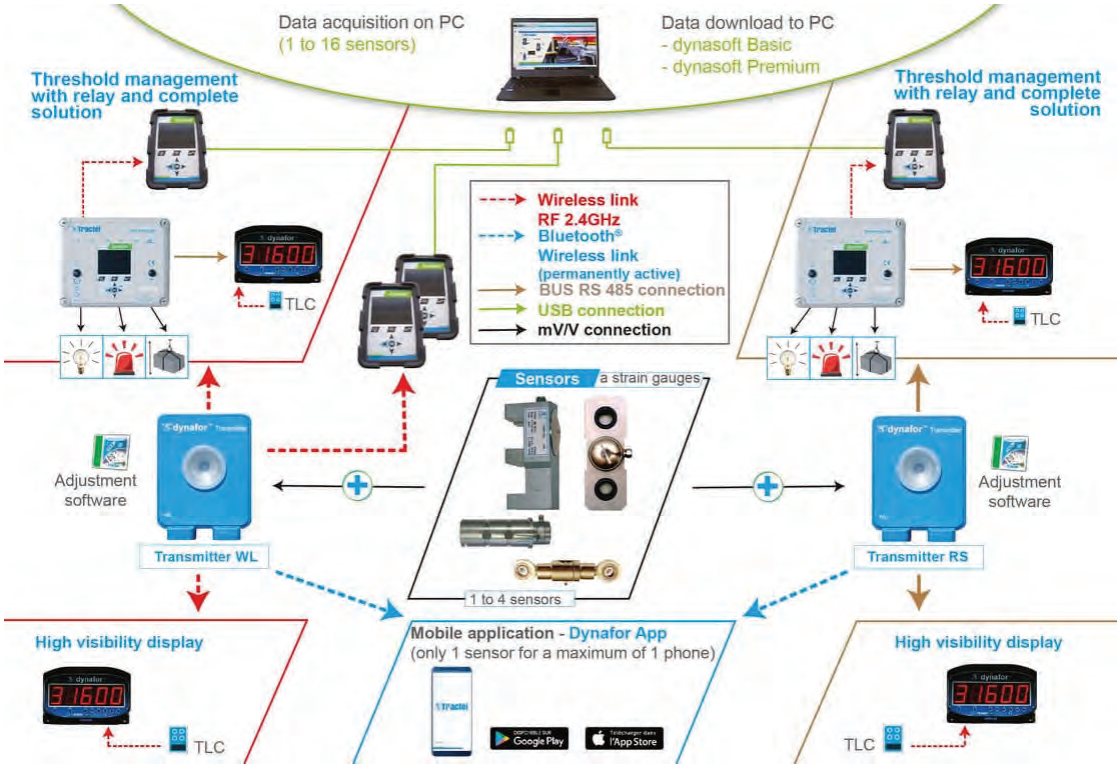
- Display a load
- Integrate a sensor signal to your PLC (Programmable Logic Controller)
- Do real-time monitoring and relay management
- Manage several sensors individually and together

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

How to define a Dynasafe solution

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

A fully modular system



Dynasafe

1. Strain gauge sensor

Dynasafe HF35

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

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

Dynasafe HF10

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

Specify effort and signal output with your request.

Dynasafe HF50

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

Fulfill the loadpin specification sheet with your request.

For questions or other designs, please contact our Customer Service.

Transmitter

2. Connection

Dynafor Transmitter WL & RS

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

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

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

Model	Product Code
Dynafor Transmitter RS	293469
Dynafor Transmitter WL	293459

The delivery includes the Dynafor transmitter WL & RS, the user manual, the robust plastic housing and the declaration of conformity. Supplied in sturdy cardboard packaging.

Once the transmitter is selected, the system can communicate with our wired and wireless Tractel accessories (DMU, HHD, AL), which can be found on the following pages.

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

3. Functionalities

Dynafor HHD

The Dynafor HHD is a complete and versatile handheld display.

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

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

Model	Product Code
Dynafor HHD	293449

Dynafor AL63

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

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

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

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

Multiple configurations of monitors, sensors and displays are possible.

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

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

3. Functionalities

Dynafor DMU

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

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

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

Delivery includes the Dynafor DMU, user manual and declaration of conformity.
Delivered in sturdy cardboard packaging.

Dynasoft - software for Dynafor

The Dynasoft suite is composed of several modules:

- **Dynasoft Download** allows the transfer of measurements stored in our Dynafor HHD to the PC
- **Dynasoft Threshold Management** allows to transfer the alarm data saved in our Dynafor HHD to the PC
- **Dynasoft Monitoring** to perform real-time monitoring, recording and processing. The software needs to be used conjointly with our Dynafor HHD, and one to 16 Dynafor loadcells.

Two packages are available. The basic and premium licenses are valid for an initial period of 1 year, which can be extended on expiration.

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

Softwares are delivered with an activation code.
An internet connection is required to activate the software.
Licences to use 'Basic' and 'Premium' are valid for one year and can be renewed for another year.

Certificates for Dynafor

Model	Product Code
ISO 376 Certificate for Dynafor: 0,5 to 10 t	109407
ISO 376 Certificate for Dynafor: 15 to 50 t	109417
Calibration certificate - 100 t	293429
Calibration certificate according to ISO 376 - 100 t	299459
Calibration certificate according to ISO 376 - 250 t	299469

Dynarope

Tension meters HF37 and HF45

Dynarope HF37

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

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

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

Model	WLL (kg)	Wire rope ø (mm)	Product Code
Kit Dynarope HF37/1/LPT	50 - 1 500	5 - 13	190008
Kit Dynarope HF37/2/LPT	100 - 3 000	5 - 16	190018

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

Dynaline HF 45

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

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

Model	WLL (kg)	Wire rope ø (mm)	Product Code
Kit Dynaline HF45/1/LPT	50 - 600	8 - 12	187998
Specific wire rope calibration	-	-	111347

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

Database extension and software

Model Name	Product Code
Option - Specific calibration for database	111347
Software Loader Full (incl. Loader Tech + Loader Light)	187978

A specific sample is required to perform a calibration.
Loader Light (downloading data stored in the strain gauge) always included in the kit.

Dynarope

Tension meter HF36

Dynarope HF 36

Tension meter for high capacities

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

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

Modelnaam	WLL (kg)	Wire rope ø (mm)	Product code
Kit Dynarope HF36/1/LPT	100 - 5 000	5 - 13	187938
Kit Dynarope HF36/2/LPT	100 - 20 000	9 - 28	187948
Kit Dynarope HF36/3/LPT*	200 - 40,000	20 - 44	187958

*For forces above 20t, the additional hydraulic kit is required. Please contact Tractel.
Delivery includes the Dynarope HF36, displays, LEMO cable connection, Loader Light software, CE certificate and manual.
Supplied in a robust plastic case.

Dynarope HF 36/RWT

Tension meter designed for railway applications

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

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

Model	WLL (kg)	Wire rope ø (mm)	Product code
Kit Dynarope HF36/1/RWT	100 - 5 000	9 - 28	190688

Delivery includes the Dynarope HF36, displays, LEMO cable connector, Loader Light software, CE certificate and manual.
Supplied in a robust plastic case.

Database extension and software

Modelnaam	Productcode
Option - Specific calibration for database	122350
Software Loader Full (incl. Loader Tech + Loader Light)	187978

A specific sample is required to perform a calibration.
Loader Light (downloading data stored in the strain gauge) always included in the kit.

Anchor testers / measuring equipment

Anchor testers and Dynaplug

Anchor Tester TA

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

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

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

Delivery includes the breaking plates in series of N plates, and instructions. Supplied in PE bag.

Dynaplug HF 44

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

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

Model	WLL (daN)	Product code
Kit Dynaplug HF44/1/LPT	1500	190028
Kit Dynaplug HF44/2/LPT	2500	190038
Kit Dynaplug HF44/3/LPT	5000	190048

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

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. Fall protection

Collective protection

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Fall protection kits

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Safety harnesses

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Fall arrest devices and lanyards

Page 187–218

Safety connectors

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Anchor points

Page 225–238

Lifelines

Page 239–260

Safety ladders and rails

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Confined space access

Page 296–320

Rescue equipment

Page 321–325

Rope access equipment

Page 326–331

Working safely at height

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

Collective protection

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

Using fall protection PPE

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

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

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

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

EN Standards

HARNESSES

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

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

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

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

LANYARDS

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

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

CONNECTORS

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

ANCHOR POINTS

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

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

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

2. NOT PPE anchorage: permanently fixed to the structure

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

FALL ARREST/CONTROLLED RATE DESCENDERS/ROPE GRABS

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

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

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

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

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

RIGID & VERTICAL FALL ARREST

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

HELMETS

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

ADDITIONAL TECHNICAL SPECIFICATIONS

CNB/P/11.060 (horizontal use for the blocfor™ range)
CNB/P/11.062 (use with more than 100 kg user weight)
CNB/P/11.074 horizontal use for the lanyards range)
CNB/P/11.075 (horizontal use for the stopfor™ range)
CNP/P/11.085 (Retractable fall arrest device, Fall Factor 2)

COLLECTIVE PROTECTION

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

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

Standards

European standards

Before choosing fall protection, it is important to look at the environment and the situation in which you work. Each situation requires a specific approach, as well as appropriate equipment.
European standards recognize 5 types of fall protection.

Fall arrest

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

EQUIPMENT REQUIRED

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

Working while suspended (rope access work)

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

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

EQUIPMENT REQUIRED

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

Work restraint

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

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

EQUIPMENT REQUIRED

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

Rescue

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

EQUIPMENT REQUIRED

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

Work positioning

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

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

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

EQUIPMENT REQUIRED

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

Tractel's fall arrest equipment specifications

High capacity range 150 kg and use of fall protection at sharp edges

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

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

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

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

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

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

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

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

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

- **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.

Collective protection

Guard Trac guardrail system

Guard Trac, the collective protection by Tractel is offering more configurations to meet a wide range of application. From the very robust Guard Trac plus version to Guard Trac WPS with the smallest footprint. Here is a look at the different versions Tractel can offer:

- Guard Trac plus
- Guard Trac (with or without toe-board, with or without adjustable barriers)
- Guard Trac WP & WPS

Our Guard Trac guardrail systems have a completely unique design, offering a simple and fast way to secure your roof, without jeopardising your waterproofing. Thanks to the patented design of our bracket and the integrated design, the entire system can be installed without a single tool.

The short bracket of the guard trac range reduces the footprint of the guardrail offering two significant advantage: the trip hazard risk is reduced and more space is available for the installation of other equipments inside the secured area (such as solar panels).

Guard Trac™ is perfectly suited and certified for use in a variety of applications:

- Solar panels
- Roof replacements / repair
- HVAC replacement and repair
- Rail car platforms
- Ramps
- Construction sites
- Dig sites
- Mezzanines
- Assembly and break areas
- Hoist areas

Guard Trac™ a simple and fast way to secure your rooftop:

SAFETY ON JOBSITE:

- Short counter-weight support
- Trip hazard reduced
- Limited number of components
- Lightweight components
- Any angle between 30° - 330°

INSTALLATION:

- Tool free
- Quick (30% faster than comparable solutions)
- Easy installation and customisable on site.

Guard Trac guardrail

Guard Trac

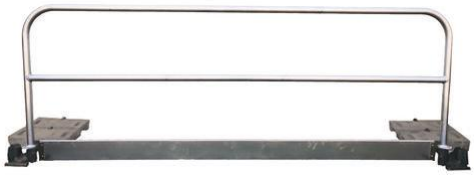
EN 13374-A:2019

Guard Trac benefits and features:

- No risk of water penetration as no drilling is required for the installation.
- Thanks to our unique design, the installation is completely tool free.
- **Toe board option - when a parapet is not present**
- Fast Installtion: 1 meter per minute.
- Compact footprint - ideal for installations with limited space
- Lightweight design
- The Guard Trac™ system can be installed on flat and inclined surfaces.
- The brackets are supplied in red. (other colours are available upon request.)
- The barriers are available in the lengths: 1.5 - 2 - 2.5 and 3 meters.
- The barriers are delivered in a natural aluminium finish (other colours are also available upon request.)
- The Guard Trac™ conforms and is certified according to **EN 13374-A:2019.**
- The inclination is limited to 10°.

COMPLETE RANGE:

- Range of standard barriers (1.5 - 2 - 2.5 and 3 m)
- Toe-board option
- Adjustable barrier & gate
- Easy stock management
- No additional components required



3m guard trac™ barrier with toe board

Model	Weight (kg)	Product Code
Standard barrier 3m	8.8	272047
Standard barrier 2.5m	8.2	272317
Standard barrier 2m	7.1	272327
Standard barrier 1.5m	6	272337
Standard barrier 3m with toe board	14.4	272347
Standard barrier 2.5m with toe board	12.3	272357
Standard barrier 2m with toe board	10.3	272367
Standard barrier 1.5m with toe board	8.3	272377
Adjustable barrier 1.50 - 2.25m	8	272027
Adjustable barrier 2.25 - 3.00m	9.7	272017
Latch	0.1	227015
Double bracket for Guard Trac™ and Guard Trac™ Plus	7	217447
Counterweight 25kg	25	186938
Counterweight interface	0.1	272077

Guard Trac guardrail

Guard Trac WP & WPS

EN 13374-A:2019 - Con veletta

The **WP & WPS** versions: an extension of our **Guard Trac** range EN 13374-A:2019.

A lot of roofs are built with an integrate parapet. Therefore, we decided to evolve our Guard Trac solution and use these existing parapets.

The parapet ensures that the Guard Trac system installed on the roof stay in place and can't slip toward the outside of the roof.

Using the parapet as part of the Guard Trac system help to simplify the system.

- Guard Trac **WP** = Guard Trac With Parapet
- Guard Trac **WPS** = Guard Trac With Parapet & Short arm.

Thanks to this evolution, the angle between 2 barriers is now completely flexible and can be adapted on site to any angle of the building where the system is installed.

The **WPS** offers a **very narrow solution**: it takes only **0.52m** from the parapet to the back of the counterweight.

These versions require the presence of a parapet with a minimum height of 150mm as they will be in contact with the parapet.

Model	Weight (kg)	Product Code
Barrier Guard Trac™ WP & WPS 3m	9.4	272567
Barrier Guard Trac™ WP & WPS 2.5m	8.2	272557
Barrier Guard Trac™ WP & WPS 2m	7.1	272547
Barrier Guard Trac™ WP & WPS 1.5m	6	272537
Long, fully equipped double bracket	7	217447
Short, fully equipped double bracket WPS	5	272507
Counterweight 25kg	25	186938
Counterweight interface	0.1	272077

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 6. Maximum quantities apply for this service.

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

Guard Trac guardrail

Guard Trac Plus

EN 13374-A:2019 & EN ISO14122-3:2016

The Guard Trac Plus version conforms and is certified to **EN 13374-A:2019 and the EN ISO 14122-3:2016.**

Its the strongest version of our Guard Trac range, thanks to the additional counterweight and welded clamp.

The deformation, when the system is loaded, is the smallest of our Guard Trac range.

This makes Guard Trac Plus the most suitable solution of our guardrail system in difficult environment.

The Guard Trac Plus system can be installed on flat and inclined surfaces. The inclination is limited to 10°.

Tractel® is one of the first manufacturer to certify and put on the market guardrails according to the standard EN ISO 14122-3 version 2016. In this new version, only 2 additional criteria were added, but their impact on the design are important.

Model	Weight (kg)	Product Code
Standard barrier 3m	8.1	272007
Short barrier 2m	6.6	272057
Adjustable barrier 2.00 - 2.40m	11.2	7039
Latch	0.1	227015
Double bracket for Guard Trac and Guard Trac Plus	7	217447
Single bracket for Guard Trac Plus	4,2	217437
Counterweight interface	0.1	272077
Counterweight 25kg	25	186938
Welded clamp	1.5	227045

Adjustable gate for Guard Trac & Guard Trac Plus

Model	Weight (kg)	Product Code
Adjustable gate for Guard Trac and Guard Trac Plus	5.8	272067

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 6. Maximum quantities apply for this service.

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

Selecting your fall protection PPE

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

BASIC REQUIREMENTS OF PPE

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

CREATE YOUR FALL ARREST SYSTEM

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

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

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

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

Fall protection kits

Tractel propose a wide range of fall protection kits.

These comprehensive solutions ensure that your workers feel maximally protected and safe when working at height. Using them according to the guidelines guarantees minimizing the risks of life and health hazards caused by falls.

Although a fall arrest solution must above all protect the user against the risk of falling from a height, it must also take into account many other factors:

- The comfort of the user,
- The speed of setting up,
- Ease of use,
- The normal working posture,
- The mobility needed for working,
- Access to anchor points.

In choosing a Tractel fall arrest kit the professional is sure to choose the optimal fall arrest solution for its business sector: the ergonomic suitability of this kit will guarantee careful use and, therefore optimum safety.

** Tractel®, in addition to the kits presented in this price range, will study, depending on the quantity required, kits adapted to other business sectors, or for specific uses. If interested, please do not hesitate to contact us.*

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.

Harness details

Attachment points

DORSAL

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

STERNAL

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

THORACIC

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

UMBILICAL

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

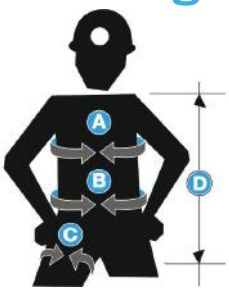
Cannot be used as an anchor point for fall arrest purposes.

LATERAL

Attachment point for EN 358-compliant work positioning systems.

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

Selecting the correct harness size



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

en cm

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

Harness series

Specialist series

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

HT Access

HT Promast

HT Secours

HT Transport

HT Greentool

HT Electra

HT Easyclimb

HT 55 A CS

HT ladytrac

Expert series

Generalist harnesses designed for daily use – EN361

HT56

HT55

HT120

HT46

HT45

HT45 met vest

HT44

Pro series

Designed for regular use – EN361

HT34

HT43

HT42

HT22

HT22 met vest

Essential series

Designed for occasional use - EN361

HT21

HT11

HT10

HT Access

EN 361 - EN 358 - EN 813

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

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

Comfort and Fit

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

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

A well-fitting harness is both comfortable and safe. We have made sure all that all straps that need to be adjusted are fitted with easy-to-use buckles. Please find more information about making sure your harness fits well here.

Putting the HT Access on is easy and quick. Traditional safety harnesses are put on like a jacket, but with this harness you put it on like a pair of trousers.

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

Connection points

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

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

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

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

Online access to all important documents

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

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

	Comfort	
	Frequency of use	
	Integrated options	

	S	M	XL	XXL
HT Access	86512	86522	86532	87012

Semi-rigid loops on the belt

Shoulder adjustment and automatic buckle

Sternal connection point

Umbilical connection point

Specialist series

Harness HT Promast

EN361 - EN358 - EN813

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

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

Comfort
Frequency of use
Integrated options

	S	M	XL
HT Promast - Quick-release buckles	65242	65252	65262

Harness HT Secours

EN361 - EN358 - EN813

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

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

Comfort
Frequency of use
Integrated options

	S	M	XL	XXL
HT Secours - Standard buckles	-	66142	66152	-
HT Secours - Quick-release buckles	65882	65892	65902	80812

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.

Specialist serie

Harness HT Transport

EN361 - EN358 - EN813

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

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

Comfort
Frequency of use
Integrated options

	S	M	XL
HT Transport - Quick-release buckles	65942	65952	65962
HT Transport - Quick-release buckles with Elastrac	-	65982	65992

Work Seat

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

Model	Product Code
Work seat	65762

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.

Specialist series

Comfort

Frequency of use

Integrated options

Harness HT Electra

EN361 - EN358

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

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

	S	M	XL
HT Electra - Quick-release buckles	65272	65282	65292

Harness HT Easyclimb

EN361 - EN358

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

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

	S	M	XL	XXL
HT Easyclimb - Quick-release buckles	66452	66462	66472	80712

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.

Comfort

Frequency of use

Integrated options

Harness HT55 Confined Space

EN 361

The HT55 harness can be used for confined space. It is particularly suited for use with a respiratory system which slides easily onto the belt.
Enhanced comfort is ensured by the back XPad, the mountaineering-type thigh straps, and the linkage between the shoulder straps and thigh straps by connecting buckles.

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

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

	S	M	XL
HT55 AE Confined space	83902	83912	83922

Ladytrac harness

A harness designed for women, a patented design by Tractel.

EN361

At last, a harness designed for women:

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

A design adapted to the female form:

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

Increased safety in case of a fall:

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

In addition, the Ladytrac B version has:

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

Comfort
Frequency of use
Integrated options

	M	XL
HT Ladytrac - Quick-release buckles	55882	55892
HT Ladytrac B version - Quick-release buckles	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 serie

Harnesses HT56 and HT55

These harnesses are designed for a wide range of applications.
Enhanced comfort is ensured by the back X-Pad, the mountaineering-type thigh straps and the linkage between the shoulder straps and thigh straps by connecting buckles.

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

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

Comfort
Frequency of use
Integrated options

Harness HT56

EN361

	S	M	XL	XXL
HT56 - Standard buckles	65302	65312	65322	-
HT56A - Quick-release buckles	65332	65342	65352	80682
HT56A - Quick-release buckles with Elastrac	-	65692	65702	-

Harness HT55

EN361

	S	M	XL	XXL
HT55 - Standard buckles	65592	65602	65612	-
HT55A - Quick-release buckles	65622	65632	65642	80632
HT55A - Quick-release buckles with Elastrac	65652	65662	65672	-

Expert series

Harness HT120

EN361

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

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

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

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

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

	S	M	XL
HT120 - Standard buckles	61702	61712	61722

Comfort
Frequency of use
Integrated options

Harness HT46

EN361

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

	S	M	XL	XXL
HT46 - Standard buckles	55042	55052	55062	-
HT46A - Quick-release buckles	52972	52982	52992	80552

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.

Expert series

Comfort
Frequency of use
Integrated options

Harness HT45

EN361

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

	S	M	XL	XXL
HT45 - Standard buckles	55012	55022	55032	75532
HT45A - Quick-release buckles	53072	53082	53092	-
HT45 AE - Quick-release buckles with Elastrac	-	54932	54942	-

Comfort
Frequency of use
Integrated options

HT45 harness with orange/yellow vest

EN361 - EN471

- Big confort for a long 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.
- Label holder.
- EN361.

	M	XL
HT45 with orange vest	83822	83832

	M	XL
HT45 with yellow vest	83802	83812

Comfort
Frequency of use
Integrated options

Harness HT44

EN361

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

	S	M	XL
HT44 - Standard buckles	44102	44112	44122

Pro series

Harness HT34

EN361 - EN358

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

	S	M	XL
HT34 - Standard buckles	35352	35362	35372
HT34 A - Quick-release buckles	-	40792	40802

Comfort
Frequency of use
Integrated options

Harness HT43

EN361

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

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

Comfort
Frequency of use
Integrated options

Harness HT42

EN361

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

	M	XL
HT42 - Standard buckles	10042	31082

Comfort
Frequency of use
Integrated options

Pro series

Harness HT22 with X-pad comfort back pad

EN361

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

	M	XL	XXL
HT22 with X-pad	69272	69292	80322

Comfort
Frequency of use
Integrated options

Harness HT22

EN361

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

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

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.

HT22 harness with orange/yellow vest

EN361 - EN471

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

	M	XL
HT22 with orange vest	83782	83792

	M	XL
HT22 with yellow vest	83782	83792

Comfort
Frequency of use
Integrated options

Pro series

Harness HT22R

EN361 - EN1497

Universal harness with standard buckles and rescue straps.

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

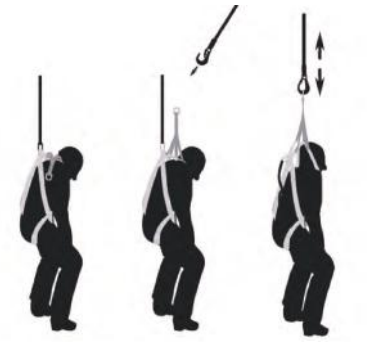
- 1 dorsal anchor point.
- 1 sternal anchorage point in textile loop.
- 1 sub-pelvic strap.
- 5 adjustment loops.

	S	M	XL
HT22R	44952	44962	44972

Comfort

Frequency of use

Integrated options



HT9 Evacuation triangle

EN1497

Special harness for evacuation operations, easy to install even when a person is lying on the ground.
With its 3 adjustment options, the HT9 can be used on both children and adults.

Model	Product Code
HT9 Evacuation Harness	17622

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 series

Harness HT11

EN361

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

	M
HT11 - Standard buckles	10002

Comfort
Frequency of use
Integrated options

Harness HT10

EN361

- 1 dorsal forged D anchorage.
- Chest strap fitted with quick-release buckle.
- 3 adjustment points.

	M
HT10 - Standard buckles	17892

Comfort
Frequency of use
Integrated options

Correctly fit a harness

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

2 Put both of your arms through the shoulder straps.

3 Connect the front buckle and tighten.

4 Connect the leg straps and tighten.

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

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

Scan this QR code to visit our website (tractel.com) and watch the video showing how to put on and adjust your harness.

Taking two minutes to watch this video could mean the difference between safety and injury in a fall.

Belts

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

Safety Belt CE06

EN358

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

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

Safety Belt CE01

EN358

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

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

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

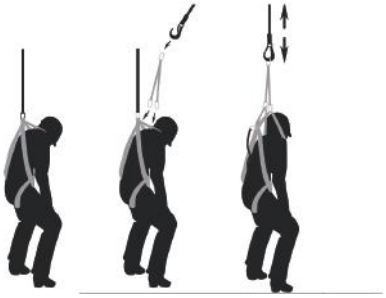
Rescue lanyard option R

Rescue lanyard with 3 connectors M10 to evacuate a casualty.
This 60 cm long webbing extension fits all Tractel harnesses.

It is fixed directly onto the shoulder straps of the harness via two M10 connectors.

The rescue system is fixed onto the other end using a connector.

Model	Product Code
Option R	83892



Option RL

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

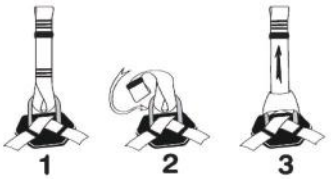
Dimensions (mm)

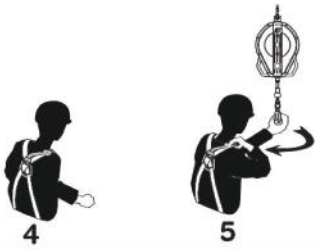
- Webbing width 45 mm
- Total length: 260 mm
- 2 sewn loops
- Max. working load: 150 kg

Material

- Webbing: polyester

Model	Product Code
Option RL	32872





Accessories

Suspension trauma straps

The Suspension trauma straps is a portable, lightweight accessory that fits onto any harness and can be deployed in the event of a fall. The comfort strap has a foot loop for the user to stand in while suspended. It allows the user to stand up straight, relieving any pressure on the legs.
Suspension syncope can occur when the user is left suspended in a hanging position following a fall. During this time the harness can cut into the thighs, restricting blood flow, which can cause a series of complications including fainting and even death.

Specification

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

Easy to Use

Step 1 - Unzip the pouch and deploy the leg loop.
Step 2 - Place both feet in the foot loop.
Step 3 - Adjust the strap as required.
Step 4 - Stand up straight to relieve pressure on the legs.

Model	Product Code
Suspension trauma strap	66182

X-Pad

The X-Pad can be installed on all Tractel existing harnesses (except the HT Ladytrac and HT Access), including those with the Elastrac option, by the users themselves.
On the left shoulder strap, the X-Pad is equipped with a label holder designed to receive a traceability card dedicated to the user.
Following customers' feedback regarding the comfort around the neck, the 2 straps around the neck have now a wide opening.
Gives rigidity to hold the harness into a good shape for an easy put on.

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

Model	Product Code
X-Pad	86612

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

High-visibility vest

EN471 - EC/ISO standard 20471, class 2

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

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

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

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

Tool holders

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

ETL

ETLS

TL

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

TWB

OAS

Tool holding bag

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

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

Model	Product Code
Tool holding bag	75582

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.

Helmets

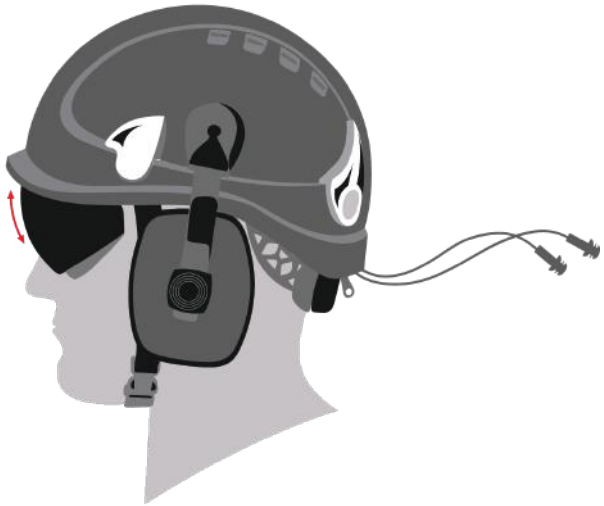
TR2000 helmet with 4 point chinstrap

EN397 - EN50365

Tractel's TR2000 helmet offers numerous advantages:

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

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



TR2000 helmet accessories

Model	Product Code
integrated visor, clear	60272
Integrated visor, tinted	60262
in-ear defender	60292
mounted ear defenders	60282
head torch clip	60302
Sweatband	62782

Bags

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

Cloth pocket bag

Cloth shoulder bag

Backpack

combipro 20l

combipro 30l

combipro 60l

derope bag

tracpode bag

Door anchor bag

How to choose your fall arrest device

Selecting the right fall arrest device

Self-retracting fall arrest: blocfor range

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

Conform to standard EN360 and to European data sheets CNB/P/11.060 (for horizontal use) & CNB/P/11/062 (for use above 100 kg).

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

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

Conform to standard EN353-2 and to European data sheets CNB/P/11.060 (for horizontal use) & CNB/P/11/062 (for use above 100 kg).

Shock-absorbing fall arrest: shock-absorbing lanyard range

These fall arrest devices are suited to tasks where there is limited freedom of movement.

Conform to European data sheets CNB/P/11.060 (for horizontal use) & CNB/P/11/062 (for use above 100 kg).

WORK APPLICATIONS

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

WORK APPLICATIONS

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

WORK APPLICATIONS

- Working on roofs.

Applicable standards

- EN 360 : (Blocfor range)

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

- EN 353-2: (Stopfor range)

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

- EN 355: (shock absorber lanyard range)

An energy absorbing fall arrester makes it possible to arrest a fall in a short distance (max 2m). Its design ensures total safety for a fall factor of 2. In case of a fall the absorber will tear out sufficiently to reduce the force of the impact.

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

Blocfor fall arrest devices

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

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

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

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

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

On some of the Blocfor, the additional edge test specified in the CNB/P/11.060 are performed to ensure these Blocfor can be used over a sharp edge.

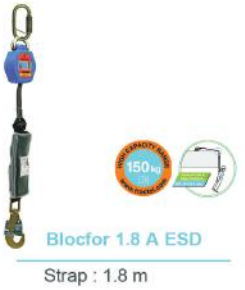
The Blocfor 1.8 EVO ESD is designed to withstand a fall with a fall factor 2. The certification tests are described in the CNB/P/11.085.

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

	1.8 ESD	1.8 EVO ESD	1.8 DUO EVO	5 ESD	6 ESD	10 ESD	20 EVO	20 R ESD	30 ESD	30 R ESD
Type of rope										
Webbing	✓	✓	✓	✓	✓					
Galvanised steel						✓	✓	✓	✓	✓
Stainless steel						✓	✓	✓	✓	✓
Synthetic						✓	✓			
Flat roof application (PPE-R/11.060)	✓	✓	✓	✓	✓	✓*	✓*		✓*	
Fall factor 2 (PPE-R/11.085)		✓	✓							
150 kg (PPE-R/11.062)	✓	✓	✓	✓	✓	✓	✓	✓*	✓	✓*
Housing material										
ABS plastic, UV resistant	✓	✓	✓	✓	✓	✓	✓	✓		
Aluminium									✓	✓
Application										
Scaffolding	✓	✓	✓							
Industrial				✓	✓	✓	✓		✓	
Rescue								✓		✓
Access to confined spaces	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

** except stainless steel version*

Blocfor fall arrest devices



Blocfor 1.8 A ESD

Strap : 1.8 m

Blocfor 1.8 B ESD

Strap : 1.8 m

Blocfor 1.8 A EVO ESD

Strap : 1,8 m

Blocfor 1.8 B EVO ESD

Strap : 1,8 m

Blocfor 1.8 Duo ESD

2 straps : 1,8 m

Blocfor 5 / 6 ESD

Strap : 5 m / 6 m

Blocfor 10 ESD

- Galvanised
- Synthetic rope

Rope : 10 m

Blocfor 10 ESD I

- Stainless Steel

Rope : 10 m

Blocfor 20 ESD EVO

- Galvanised
- Synthetic rope
- Stainless steel*

Rope : 20 m

** (Stainless steel version only suitable for vertical use)*

Blocfor 30 ESD

- Galvanised
- Stainless steel*

Rope : 30 m

** (Stainless steel version only suitable for vertical use)*

Blocfor 20R ESD / Blocfor 30R ESD

- Galvanised
- Stainless steel

Rope : 18 m / 30 m

High Capacity range 150 kg.

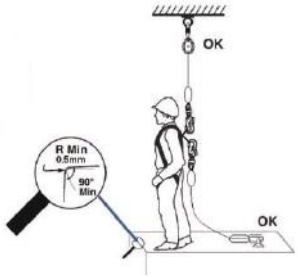
Can be used on flat roof

Can be used in a fall factor 2

(For explanation regarding factor 2 see page 186)

Blocfor 1.8 ESD fall arrest devices

Automatic fall arrester with 1.8 m strap, for vertical or horizontal use.



The Blocfor 1.8A & 1.8B ESD has many advantages for the user:

- Lightweight and compact, which makes it easy to carry and use.
- Aramid strap : 15 mm width, 1.45 m length.
- Plastic housing, anti-UV, very resistant to shocks and ageing.
- Easy to install on different types of anchors thanks to several connectors (M10, M51 or M53).
- Easy to connect to the harness thanks to the M47 safety hook connector.
- Flexible unwinding system eliminates sticking or stopping during use.
- Presence of a swivel at the end of the strap allows for easy winding, the strap is free of any twists.
- In the event of a fall, the device triggers in less than 100 mm, reducing the distance of a fall.
- Shock-absorption system ESD is also a fall indicator, making it easy to identify whether the block has been involved in a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.

Blocfor 1.8A ESD 150kg

EN 360, CNB/P/11.060, CNB/P/11.062

Model	Description	Weight (kg)	Product Code
Blocfor 1.8A ESD M10 M47	1.8 m – webbing – M10 and M47 connector	1.36	70592
Blocfor 1.8A ESD M11 M47	1.8 m – webbing – M11 and M47 connector	1.36	75482
Blocfor 1.8A ESD M51 M47	1.8 m – webbing – M51 and M47 connector	1.63	70602
Blocfor 1.8A ESD M53 M47	1.8 m – webbing – M53 and M47 connector	1.69	70612

Blocfor 1.8B ESD 150kg

EN 360, CNB/P/11.060, CNB/P/11.062

Unlike Blocfor 1.8A ESD, the shock-absorption system ESD of the Blocfor 1.8B ESD is positioned on the side of the attachment point of the harness, between the Blocfor and the fall arrest point on the user's harness. The strap (fitted with an M51 connector) is connected to the anchor point of the Blocfor on the structure.

Model	Description	Weight (kg)	Product Code
Blocfor 1.8B ESD 150kg M51 M47	1.8 m – webbing – M51 and M47 connector	1.63	72462

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 1.8 EVO ESD fall arrest device

To minimise the impact on a user in case of a fall, an anchor point above their head is ideal. This means the fall arrest device used comes into action immediately and therefore reduces significantly the impact energy that needs to be absorbed and the distance of the fall.

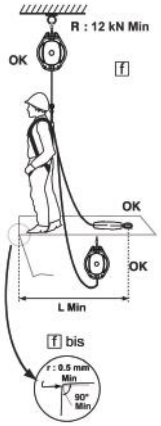
However, such an anchoring point is not always possible: Often, the only place to anchor is at, or even below, the level of the user's feet, as well as close to the edge where you can fall. This means that in the case of a fall, the user can fall the length of the lanyard before the fall arrest device activates, generating much higher energy levels that need to be absorbed to prevent harm to the user.

This situation is often described as Fall Factor 2 and many fall arrest blocks explicitly forbid this kind of use in the user manual.

Tractel has now developed the Blocfor 1.8 Evo to work specifically in this situation.

Fall arrest device with ESD technology, suitable for vertical or horizontal use. 1.8 meter webbing.

High Capacity Range 150 kg. Complies with CNB/P/11.062.



- Complies with EN 360 and CNB/P/11.060 standards for use on edges with a minimal 0.5 mm curve radius
- Can be used vertically or with a standard deviation of 20° in relation to vertical
- Can be used horizontally without the use of a lanyard between the end of the strap and harness
- **Can be used in FALL FACTOR 2**
- Flexible unwinding system which doesn't jerk during operator movement
- Responsive system which locks automatically in the event of a fall, reducing the total drop height
- Includes Energy System Dissipater (ESD) technology which enables the device to arrest a fall even when the webbing is fully unwound
- Integrated fall indicator
- Length 1.8 metres, webbing version
- Lightweight
- ABS fibre reinforced polyamide housing
- Standard M47 swivel connector at end of shock absorber

Blocfor 1.8A EVO ESD 150KG

EN 360, CNB/P/11.060, CNB/P/11.062, CNB/P/11.085

Model	Weight (kg)	Product Code
Blocfor 1.8A EVO ESD M10 M47	1,41	84052
Blocfor 1.8A EVO ESD M24 M47	1,41	86082
Blocfor 1.8A EVO ESD M53 M47	1,72	84062
Blocfor 1.8A EVO ESD M51 M47	1,72	84072
Blocfor 1.8A EVO ESD M23 M47	1.69	84092

Blocfor 1.8B EVO ESD 150KG

EN 360, CNB/P/11.060, CNB/P/11.062, CNB/P/11.085

Model	Weight (kg)	Product Code
Blocfor 1.8B EVO ESD M51 - M47	1.55	84082
Blocfor 1.8B EVO ESD 150KG		86292

Blocfor 1.8 DUO ESD fall arrest device

Depending on your activity, you can be in situations where you have to regularly change to another anchorage point. Due to the fact you are probably in an area where you have a falling hazard you have to be connected constantly.

So we developed a double blocfor, the blocfor 1.8 duo evo ESD. With this new product, you can be connected with 1 hook to the structure and if you have to pass an obstacle or change to another anchorage point you attach the second hook to the structure. When the second hook is connected you can remove the first hook. If you work like this you will be always secured.

The Blocfor 1.8 duo evo ESD, self-retracting fall arrester is equipped with the new ESD system (Extremity System Dissipator). The ESD system ensures the user an impact of less than 600 daN, even if he falls when the lanyard is fully unrolled. The ESD system reduces the violence of the impact on the user's body in the event of a fall.

Can be used for maintenance operations in gondolas, on scaffolding, climbing in masts and pylons.

- Suitable for horizontal use with edges with a minimum radius of 0.5mm.
- Can be used in fall factor 2: possibility to work above the equipment anchorage point.
- Unit equipped with an M47 connector and an M51 connector. M51 is a connector with big opening, made in aluminium: universal and light.
- Reduced space requirement.
- Very low weight.
- Good ergonomics that ensures a perfect grip.
- One end is equipped with the Tractel ESD system.

Blocfor 1.8B DUO EVO ESD 150KG

EN 360, CNB/P/11.060, CNB/P/11.062, CNB/P/11.085

Model	Weight (kg)	Product Code
Blocfor 1.8B DUO ESD 150KG M47-M51	2.66	84762
Blocfor 1.8B DUO ESD 150KG M47-M54	3.60	86992

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.

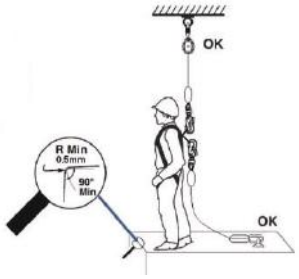
Available on request. Please enquire about delivery times of these items.

Blocfor 5 and 6 ESD fall arrest device

Automatic fall arrester for **vertical and horizontal use**.

For the user, the Blocfor 5/6 ESD has many advantages:

- Plastic housing made of a polyamide/ABS blend : very resistant to shocks and to UV.
- Aramid strap : Width of 25 mm. - length of 5 m (Blocfor 5 ESD). or 6 m (Blocfor 6 ESD).
- Simplified mechanism to optimize maintenance.
- Shock-absorption system ESD is also a fall indicator, making it easy to identify whether the block has been involved in a fall.
- Shock-absorption system ESD ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- Ergonomically shaped: easy to transport and to install.



Blocfor 5/6 ESD 150kg

EN 360, CNB/P/11.060, CNB/P/11.062

Model	Description	Weight (kg)	Product Code
Blocfor 5 ESD M10 M47	5 m – webbing – M10 and M47 connector	2.86	70652
Blocfor 6 ESD M10 M47	6 m – webbing – M10 and M47 connector	2.76	70662
Blocfor 6 ESD M11 - M47	6 m – webbing – M11 and M47 connector	2.76	74672
Blocfor 6 ESD M24 M47	6 m – webbing – M24 and M47 connector	2.76	86202

Blocfor 10 ESD fall arrest device

Automatic fall arrest device with cable (galvanised or synthetic) for vertical or horizontal use.

Blocfor 10 ESD fall arrest device benefits

- Housing made of polyamide reinforced with ABS fibre: highly resistant to shocks and UV.
- Galvanised cable (Blocfor 10 ESD G) / Synthetic cable (Blocfor 10 ESD SR)
- Simplified mechanism to optimise maintenance.
- The shock absorbing ESD system is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user is not exposed to an impact of more than 600 daN, even if the fall occurs when the cable is fully uncoiled.
- Ergonomically shaped.

Blocfor 10 ESD 150kg G/SR

EN 360, CNB/P/11.062, CNB/P/11.060

Model	Description	Weight (kg)	Product Code
Blocfor 10 ESD G M24–M47	Galvanised rope	5.52 kg	70572
Blocfor 10 ESD G M24–M47	-	5.52 kg	86092
Blocfor ESD SR M10–M47	Synthetic rope	4.50	74372

Blocfor 10 ESD I 150kg RVS

EN 360, CNB/P/11.062

The Blocfor 10 ESD I 150kg is a fall arrester equipped with a shock absorption system (ESD), featuring stainless steel components.

The Extremity System Dissipator (ESD) system ensures that the user is not exposed to a shock of more than 600 daN, even if the fall occurs when the strap is fully unwound.

The blocfor 10 ESD I 150 kg with stainless steel cable is used when working in aggressive environments, such as chemical plants or sewage works. In such environments, high humidity or other atmospheric gases/particles can affect the normal wire rope.

This blocfor can only be used vertically.

Advantages Blocfor 10 ESD I 150kg

- Simplified mechanism to optimise maintenance.
- Shock absorption system ESD (Extremity System Dissipator).
- Ergonomically shaped.
- Ultra-resistant to shock and UV.
- **Stainless steel cable**

Model	Weight (kg)	Product Code
Blocfor 10 I ESD 150kg M10I M10I	4,86	79002

Blocfor 20 EVO ESD 150kg

EN 360, PPE-R/11.060, PPE-R/11.062

The **Blocfor 20 EVO ESD** is:

- A self-retracting fall arrest device
- With guaranteed 20 meters of wire rope made in:
  - Galvanised steel,
  - Stainless steel,
  - Or synthetic rope.
- Equipped with our ESD (Extremity System Dissipator) absorption system.
- Suitable for user with a weight up to 150kg
- That works in both vertical and horizontal (edge certification) applications.

The **latest innovation from Tractel** in self-retracting fall arrest device.

- A simple and proven mechanism to optimise its operation and maintenance.
- In the event of fall, its ESD system ensures that the impact on the operator is less than 600 daN. Even if the operator falls when the wire rope is unwound.
- Ergonomic handle for easy handling during transport and installation.
- Lightweight thanks to its plastic housing.
- Smooth to use. The proven mechanism prevents the unintentional locking of the system.
- A reinforced spring which ensures a perfect winding of the entire wire rope.
- Impact-resistant and UV-resistant housing

Configuration in use

The Blocfor 20 EVO ESD fall arrest device can be used:

- For user with a weight up to 150kg including their equipment. Certified according to the PPE-R/11.062 "fall arrester with a capacity greater than 100kg",
- In vertical application with an angle up to 20° at the vertical of the anchor point.
- For horizontal application with edges having a radius of more than 0.5 mm, for galvanised and synthetic rope version only. Certified according to the PPE-R/11.060 "horizontal use"

Connector

Galvanised and synthetic versions
M24 twin-lock connector on top and M47 automatic connector with integrated swivel on the absorber.

Stainless steel version
M10 manual connector in stainless steel on both ends. With an inline swivel on the absorber end.

Model		Material	Weight (kg)	Product Code
Blocfor 20 EVO ESD G 150 kg	N	galvanised rope	9.4	86662
Blocfor 20 EVO ESD I 150 kg	N	Stainless steel rope	9.1	86672
Blocfor 20 EVO ESD SR 150 kg	N	Synthetic rope	8	86652

(Blocfor 20 EVO ESD I only suitable for vertical use)

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 30 and 30R fall arrest device

Blocfor 30 ESD G 150kg

EN 360, PPE-R 11.060, PPE-R 11.062

- Complies with EN 360 for self-retracting lanyard.
- High Capacity Range 150 kg. Complies with PPE-R 11.062.
- The galvanised version complies with PPE-R 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 flat roofs.
- Can be used vertically or with a standard deviation of 20° in relation to vertical.
- Flexible unwinding system which doesn't shake during operator movement.
- Responsive system which locks automatically in the event of a fall, reducing the total drop height.
- Includes Energy System Dissipater (ESD) technology which enables the device to arrest a fall even when the webbing is fully unwound
- Integrated fall indicator
- Length 30 metres, version with galvanised or stainless steel.
- The housing is made of coated aluminium: highly resistant to shocks and abrasion
- Lightweight
- M47 swivel connector at end of shock absorber (Stainless steel version with stainless steel M10 connector and inline swivel)
- A blocking mechanism with a double locking pin which reduces the activation time

Model	Fall Braking System	Product Code
Blocfor 30 ESD 150 kg M10 M47	0.8	74532
Blocfor 30 ESD 150 kg M24 M47	0.8	86122

Blocfor 30 R ESD G 150kg

EN 360, EN 1496-B, CNB/P/11.062

Automatic fall arrest device with galvanised cable, with integrated winch that is very effective and easy to use.

This product can be used as a standard fall arrest device when the rescue winch is not engaged and to lift a worker, after a fall, for a safe rescue when the winch is activated.

Advantages Blocfor 20 R ESD / 30 R ESD fall arrest device:

- Plastic housing made from a mixture of polyamide and ABS (Blocfor 20R) / Aluminium housing (Blocfor 30R) : Anti-UV, highly resistant to shock and abrasion.
- The shock absorption system ESD is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user is not exposed to an impact of more than 600 daN, even if the fall occurs when the strap is fully unwound.
- Integrated winch: Automatic fall arrest device with integrated winch for lifting/lowering in any rescue operation. The lowering movement is limited to max. 2 metres in accordance with EN1496.

Model	Weight (kg)	Product Code
Blocfor 30R ESD G 150kg	20 kg	75502

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 R EVO ESD

Fall protection with integrated rescue winch

NEW

EN 360 - EN 1496-B - PPE-R/11.062

The Blocfor 20 R EVO ESD 150 kg functions like a standard retractable fall arrester to stop the fall of an operator. It also features an integrated rescue winch system that can be easily activated after a fall to rapidly evacuate a person upwards or downwards in case of a rescue operation.

Features:

- Handle-type anchorage capable of receiving large-diameter connectors.
- Automatic fall arrester with an **integrated winch** for ascending or descending during a potential rescue operation.
- Plastic housing casing made of a polyamide/ABS blend, UV-resistant, highly resistant to impact and aging.
- Equipped with an ESD energy absorber, traceability label and a fall indicator. That ensures that the user will not experience an impact of more than 600 daN even if the fall occurs when the cable or strap is fully extended.
- Allows horizontal use (for the version with galvanized cable).
- Blocfor 20 R EVO ESD I only suitable for vertical use.

Blocfor 20 R & 10 R EVO ESD G

Blocfor 20 R EVO ESD I

The associated mounting brackets allow for installation on Tracpode and Tracpode Pro tripods, Davitrac davits, Davimast masks, as well as the Tracrod anchorage for easy winch handling.

Model	Length (m)	Description	Weight (kg)	P
Blocfor 10 R EVO ESD G	10	Galvanised rope	11.2	
Blocfor 20 R EVO ESD G	20	Galvanised rope	12.5	
Blocfor 20 R EVO ESD I	20	Stainless steel rope	12.2	
Adaptation set for Blocfor R EVO on older Tractel mounting brackets	-	-	-	

If 'B4' is indicated on the type plate of the mounting bracket, purchase of the adaptation kit (289567) is **not** necessary.

If 'B4' is **NOT** indicated as the designation on the mounting bracket type plate, purchase of the adaptation kit (289567) is necessary.

Stopfor

Tractel offers a complete range of Stopfor. It is primarily split in two:

- Stopfor on stranded rope Ø14mm
- Stopfor on braided rope Ø11mm

The choice between the two kinds of product depends on the use of the Stopfor.

The braided rope is much lighter than stranded increasing the comfort of use with a long rope. While the Stopfor with the stranded rope can all be used horizontally (e.g. flat roof).

Inside each category, different versions are available depending on the application.

	Stopfor for stranded rope				
Product	B16	B	BF	MSP	SL
150kg	✓	✓	✓	✓	✓
Anti-reversibility	-	-	-	✓	✓
Pre-installed on rope	-	-	✓	-	-
Can be installed and removed at any point on the rope	✓	✓	-	✓	✓
Safety Park function	-	-	-	✓	✓
Vertical use	✓	✓	✓	✓	✓
Horizontal use (e.g. on flat roof)	-	✓	✓	✓	✓

	Stopfor for braided rope				
Product	KS 150kg	KSP 150kg	K	KS	KSP
150kg	✓	✓	-	-	-
Anti-reversibility	✓	✓	-	✓	✓
Pre-installed on rope	-	-	✓	-	-
Can be installed and removed at any point on the rope	✓	✓	-	✓	✓
Safety Park function	-	✓	-	-	✓
Vertical use	✓	✓	✓	✓	✓
Horizontal use (e.g. on flat roof)	-	-	✓	✓	✓

The version with the safety park function will be preferred when working on a roof with high inclination and work positioning is required.

A pre-installed Stopfor on a rope will be preferred when it is important for the user or owner that the rope cannot be separated from the Stopfor.

High Capacity range 150 kg

Can be used on flat roofs

Fall arresters - Stopfor 150 kg

Fall arresters on a flexible anchor line

NEW

Stopfor B16 150 kg

EN353-2 - CNB/P/11.062

The Stopfor B16 fall arrester has been specially designed to ensure the safety of operators who work under power on electricity transmission networks with a maximum voltage greater than 50 kV and less than or equal to 420 kV.

The Stopfor B16 fall arrester is currently the only rope-based fall arrester that meets the requirements for under power working. This certification was carried out in collaboration with the company MS, which manufactures insulating rope that complies with standard V2016/425/EU.

Tractel is the first manufacturer to be referenced with an EN 353.2 fall arrester that can be used carrying out work under electrical voltage.

- Vertical applications.
- Use on 16 mm Tractel waxed polypropylene stranded rope.
- Designed to be openable, it can be installed or removed at any point on the rope.
- Lightweight & ergonomic.
- Easy to use & to transport.
- Bichromate steel, better corrosion resistance.

Model	Length (mm)	Product Code
Stopfor B16 - Strap + M42	30	86412

NEW

Stranded insulated PPE Rope 16mm

16 mm red PP waxed stranded PPE rope for use with a Stopfor B16 fall arrest system.

This rope is equipped with a double safety connector with a ¼ turn rings in zinc-plated steel M24 and an NFC chip for its identification.

Specially designed for live work.

Model	Description	Product Code
PPE rope 30 m	30 meter / M24	86422
PPE rope 50 m	50 meter / M24	86442
PPE rope 100 m	100 meter / M24	86452
PPE rope 140 m	140 meter / M24	86462
PPE rope 200 m	200 meter / M24	86472

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 arresters - Stopfor

150kg / Fall arresters on a flexible anchor line

Stopfor B

EN353-2 - CNB/P/11.075 - CNB/P/11.062

- Vertical & horizontal applications.
- Use on 14 mm diameter stranded rope.
- Installs & removes at any point of the rope.
- Lightweight & ergonomic.
- Easy to use & to transport.
- Aluminium.

Model	Length (cm)	Product Code
Stopfor B M10	-	106189
Stopfor B - strap + M41	30	106169
Stopfor B - strap + M42	30	106179

Stopfor BF

EN353-2 - CNB/P/11.075 - CNB/P/11.062

- Vertical & horizontal applications.
- Use on 14 mm diameter stranded rope.
- Product delvered already on the rope.
- Easy to use.
- Aluminium

Model	Length of anchor line (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

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 arresters - Stopfor

150kg / Fall arresters on a flexible anchor line

Stopfor MSP

EN353-2 - CNB/P/11.075 - CNB/P/11.062

- Vertical & horizontal applications.
- Use on 14 mm diameter stranded rope.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- With park function : locks manually on the rope for a hold at the station.
- Easy to use & to transport.
- Installs & removes at any point of the rope.
- Galvanised steel.

Model	Product Code
Stopfor MSP	207018

Stopfor SL

EN353-2 - CNB/P/11.062

- Vertical applications.
- Use on 14 mm diameter stranded rope.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- Installs & removes at any point of the rope.
- Stainless steel.

Model	Product Code
Stopfor SL - M10	276389
Stopfor SL - strap + M10	206918
Stopfor SL - strap + M41	206958
Stopfor SL - strap + M11	206928

RLX anchor line

Voor Stopfor B / MSP / SL

RLX rope anchor line ø 14 mm. Complies with EN 353-2 standard

- Type: stitched

RLX14 - stop end + M10

- Equipped with an M10 connector at the top and a plug at the bottom.

Model	Description	Product Code
RLX 14 5-10-B	5 metre / stitched / M10	45372
RLX 14 10-10-B	10 metre / stitched / M10	45092
RLX 14 15-10-B	15 metre / stitched / M10	45102
RLX 14 20-10-B	20 metre / stitched / M10	45112
RLX 14 30-10-B	30 metre / stitched / M10	45132
RLX 14 40-10-B	40 metre / stitched / M10	45142
RLX 14 50-10-B	50 metre / stitched / M10	45152

RLX14 - stop end + spliced buckle end

- Equipped with a spliced buckle at the top and a plug at the bottom.

Model	Description	Product Code
RLX14 10-A	10 metre	72692
RLX14 20-A	20 metre	81152

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 fall arresters

150kg / Fall arresters on a flexible anchor line

Stopfor KS 150kg

EN353-2 - CNB/P/11.062

- Vertical applications.
- Use on 10.5-12.5mm diameter braided rope.
- Lightweight & ergonomic.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- Easy to use & to transport.
- Aluminium.

Model	Product Code
Stopfor KS 150kg - M10	276279
Stopfor KS 150kg - M11	86182

Stopfor KSP 150kg

EN353-2 - CNB/P/11.062

- Vertical applications.
- Use on 10.5-12.5mm diameter braided rope.
- Lightweight & ergonomic.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- With park function : locks manually on the rope for a hold at the station.
- Easy to use & to transport.
- Aluminium.

Model	Product Code
Stopfor KSP 150kg - M10	79062
Stopfor KSP 150 kg - M24	86172

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 fall arresters

100kg / Fall arresters on a flexible anchor line

Stopfor K - 100kg

EN353-2 - CNB/P/11.075

- Vertical & horizontal applications.
- Use on 10.5 - 12.5 mm diameter braided rope.
- Lightweight & ergonomic.
- Easy to use & to transport.
- Installs & removes at any point of the rope.
- Aluminium.

Model	Product Code
Stopfor K - M10 - without lanyard	79922
Stopfor K LS30 M41	79932
Stopfor K LS30 M42	79942

Stopfor KS - 100kg

EN353-2 - CNB/P/11.075

- Vertical & horizontal applications.
- Use on 10.5 - 12.5 mm diameter braided rope.
- Lightweight & ergonomic.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- Easy to use & to transport.
- Installs & removes at any point of the rope.
- Aluminium.

Model	Product Code
Stopfor KS - M10	79952
Stopfor KS - strap + M41	79962
Stopfor KS - strap + M42	79972

Stopfor KSP - 100kg

EN353-2 - CNB/P/11.075

- Vertical & horizontal applications.
- Use on 10.5 - 12.5 mm diameter braided rope.
- Lightweight & ergonomic.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- With park function : locks manually on the rope for a hold at the station.
- Easy to use & to transport.
- Installs & removes at any point of the rope.
- Aluminium.

Model	Product Code
Stopfor KSP 100kg - M10	80022
Stopfor KSP 100kg - strap + M41	79072
Stopfor KSP 100kg - strap + M42	79082

Braided rope RLXD

For Stopfor KS / KSP / K

RLX D anchor line for the stopfor™ fall arresters. Complies to EN 353-2 standard

Braided rope anchor line ø 11 mm

RLXD - stop end + M10 - for Stopfor

- Equipped with an M10 connector at the top and a plug at the bottom.

Model	Description	Product Code
RLXD 11 5-10-A	5 metre / stitched / M10	37532
RLXD 11 10-10-A	10 metre / stitched / M10	37542
RLXD 11 15-10-A	15 metre / stitched / M10	37552
RLXD 11 20-10-A	20 metre / stitched / M10	35562
RLXD 11 30-10-A	30 metre / stitched / M10	37572
RLXD 11 40-10-A	40 metre / stitched / M10	37582
RLXD 11 50-10-A	50 metre / stitched / M10	37592

RLXD - stop end + spliced buckle end

- Equipped with a spliced buckle at the top and a plug at the bottom.

Model	Description	Product Code
RLX D11 5-A	5 metre / stitched	17412
RLX D11 10-A	10 metre / stitched	14102
RLX D11 10-A	15 metre / stitched	17422
RLX D11 20-A	20 metre / stitched	14112
RLX D11 30-A	30 metre / stitched	14122
RLX D11 40-A	40 metre / stitched	14132
RLX D11 50-A	50 metre / stitched	14142
RLX D11 60-A	60 metre / stitched	17492

RLXD - stop end + M41 - for Stopfor

Equipped with an M41 connector at the top and a plug at the bottom.

Model	Description	Product Code
RLXD 11 5-41-A	5 metre / stitched / M41	17002
RLXD 11 10-41-A	10 metre / stitched / M41	17012
RLXD 11 15-41-A	15 metre / stitched / M41	17022
RLXD 11 20-41-A	20 metre / stitched / M41	17032
RLXD 11 30-41-A	30 metre / stitched / M41	17052
RLXD 11 40-41-A	40 metre / stitched / M41	17062
RLXD 11 50-41-A	50 metre / stitched / M41	17072

Absorbing and standard lanyards

Selection Guide

Tractel offers a complete range of 150 kg lanyards. The choice depends on the activity the user has to perform, one is not excluding another. It will often happen that the user might need more than one lanyard. It is primarly split in three:

Fall arrest lanyard EN 355 **Restraint lanyard EN 354** **Work positioning lanyard EN 358**

Fall arrest lanyards

Designed to be used in a fall arrest system, they are equipped with a shock absorber to ensure that in the event of fall, the maximum force transmitted to the user is less than 600daN. They must be used in combination with a certified safety harness and an anchor point or system. A fall arrest lanyard has the advantage to be lighter than other fall arrester.

Tractel offers **3 types of material** for its fall arrest lanyard:

- Webbing
- Braided rope
- Elastic webbing

The webbing material will be prefered for short term or occasional use, as the braided rope and the elastic webbing will be prefered for frequent and long use.

Fall arrest lanayards exist in **2 configurations**:

- Single lanyard
- Twin lanyard

The twin lanyard is designed to allow the user to move between anchor points ensuring that he is always secured. The single lanyard can be used with lifeline where there is no need to disconnect to cross anchors.

	Single lanyard		Twin lanyard	
Webbing	**LSA**		**LSAD**	
Braided rope	**LDA**		**LDAD**	
Elastic webbing	**LSEA**			

Restreint lanyards

When the lanyard is used between the harness and the anchorage point without a fall arrest system, the lanyard is intended to prevent the operator from accessing a fall hazard zone. The double lanyard version must be used in the same way, but allows movement along a fixed line while permanently connected.

RESTRAINT LANYARDS ARE NOT TO BE USED AS FALL-ARRESTERS

Work positioning lanyards

Work positioning lanyards: Designed to support the user comfortably when a hands free environment is needed. It must be connected by its two ends to the two points of attachment on either side of the belt or on the two chest anchorage points on the harness.

Tractel offers **2 types of work positioning lanyard**:

- With adjustment loop (LDR)
- With jaw tensioning device (LCM)

The first one is intented for short-term interventions and for restricted mobility. While the second one is intended for regular intervention and allows for an easy adjustment of the length of the lanyard.

The LCM03 is protected against from tools such as chainsaw or grinder.
The LCM05 with its braided offers a lighter alternative to the stranded rope of the LCM06.

The work positioning lanyard is exiting in **3 different materials**:

Stranded rope **(LCM06)**

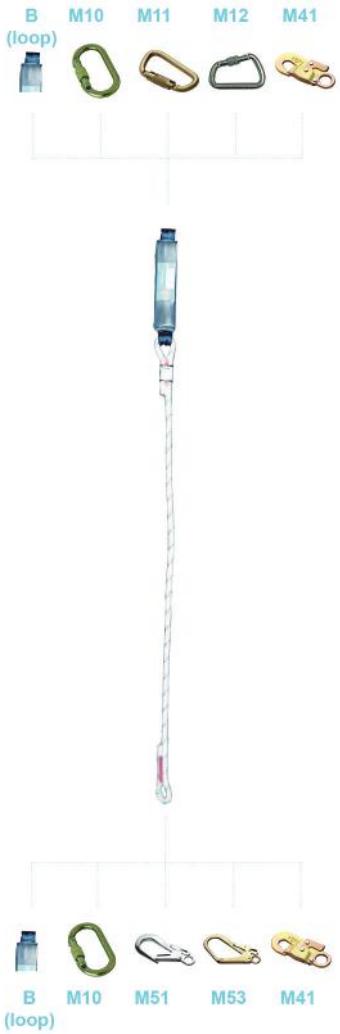
Braided rope **(LCM05)**

Braided rope reinforced with a steel core **(LCM03)**

WORK POSITIONING LANYARDS ARE NOT TO BE USED AS FALL-ARRESTERS.

LDA 150kg

Absorbing lanyards



EN355 - PPE-R/11.074 - PPE-R/11.062

Braided rope lanyard 12,5 mm, made of polyamide fibers 6.6 te,x with shock absorber.

Lanyard with energy absorber provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.
The energy absorber safely arrests a fall from a height. Without the shock absorber, a free fall of more than 50 cm can cause serious injury.

Model	Length (m)	Product Code
LDA 1-M10-M10	1	77502
LDA 1-M10-M53	1	81962
LDA 1-11-53	1	84192
LDA 1.5-BB	1,5	77512
LDA 1.5-M10-M10	1,5	77532
LDA 1.5-M10-M51	1,5	77562
LDA 1.5-M10-M41	1,5	77552
LDA 1.5-M11-M51	1,5	82142
LDA 1.5-M10-M53	1,5	77572
LDA 1.5-M12-M51	1,5	77602
LDA 1.5-M41-M53	1,5	77652
LDA 1.5-M41-M51	1,5	77642
LDA 1,5-11-53	1,5	84202
LDA 2-BB	2	77692
LDA 2-M10-M10	2	77712
LDA 2-M10-M53	2	77752
LDA 2-M10-M51	2	77742
LDA 2-M12-M51	2	77782
LDA 2-M41-M53	2	77832
LDA 2-M41-M51	2	77822
LDA 2-11-53	2	84212

Meer details over de connectors is te vinden op pagina 214

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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.

LDAD 150kg

Absorbing lanyards

EN355 - PPE-R/11.074 - PPE-R/11.062

Twin braided rope lanyard 12,5 mm, made of polyamide fibers 6.6 te,x with shock absorber.

Double lanyard with energy absorber provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness. It is an ideal fall protection so that the operator is never disconnected.

Model	Length (m)	Product Code
LDAD 1-M10-M51-M51	1	77862
LDAD 1-M11-M53-M53	1	84452
LDAD 1-M10-M53-M53	1	77872
LDAD 1.5 BBB	1,5	77902
LDAD 1.5-M10-M10-M10	1,5	77942
LDAD 1.5-M11-M53-M53	1,5	78022
LDAD 1.5-M10-M53-M53	1,5	77992
LDAD 1.5-M12-M51-M51	1,5	78052
LDAD 1.5-M10-M51-M51	1,5	77982
LDAD 1.5-M11-M51-M51	1,5	78012
LDAD 1.5-M41-M51-M51	1,5	78102
LDAD 2 BBB	2	78122
LDAD 2-M10-M10-M10	2	78132
LDAD 2-M10-M53-M53	2	78172
LDAD 2-M11-M53-M53	2	82162
LDAD 2-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.

LSA 150kg

Absorbing lanyards

EN355 - PPE-R/11.074 - PPE-R/11.062

Single webbing fall arrest lanyard 30mm made of polyester fibers 6.6tex, with an energy absorber.

Webbing lanyard with energy absorber provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

The energy absorber safely arrests a fall from a height. Without the shock absorber, a free fall of more than 50 cm can cause serious injury.

Model	Length (m)	Product Code
LSA 1.5-CC	1,5	75172
LSA 1.5-10-10	1,5	75182
LSA 1.5-10-51	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

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.

LSAD 150kg

Absorbing lanyards

EN355 - PPE-R/11.074 - PPE-R/11.062

Twin webbing fall arrest lanyard 30mm made of polyester fibers 6.6tex, with an energy absorber.

Double lanyard with energy absorber provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness. It is an ideal fall protection so that the operator is never disconnected.

Model	Length (m)	Product Code
LSAD 1.5-10-10-10	1,5	74992
LSAD 1.5-10-51-51	1,5	75022
LSAD 1.5-10-53-53	1,5	75032
LSAD 2-10-10-10	2	75102
LSAD 2-10-51-51	2	75132
LSAD 2-10-53-53	2	75142

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.

LSEA 150kg

Absorbing lanyards

EN355 - PPE-R/11.074 - PPE-R/11.062

Strap Elastic lanyard 35 mm with energy absorber.

The elastic lanyards LSEA are lanyards formed by a strap made of rigid polyester fiber woven on an elastic fiber core.
This elastic fiber has elongation properties which allow the lanyard to stretch by one-third of its contracted length.
The outer strap made of polyester fibers woven on the elastic fiber core gives the elastic lanyards excellent resistance to abrasion and cutting when it comes into contact with a sharp edge, including in the event of a fall.
With respect to standard lanyards, the elastic lanyards LSEA provide the advantage of being more compact and therefore more comfortable in use. With respect to the elastic lanyards currently on the market, formed by a tubular strap with an elastic material inside the lanyard, the Tractel elastic lanyards LSEA provide a much higher degree of resistance to ageing (the strap keeps its elasticity much longer) and has a much more attractive design.

Model	Length (m)	Product Code
LSEA 1.5-10-10	1,5	79202
LSEA 1.5-10-53	1,5	79262
LSEA 1.5-10-51	1,5	79242
LSEA 1.5-41-53	1,5	79302
LSEA 1.5-41-51	1,5	79282
LSEA 1.8-10-10	1,8	79212
LSEA 1.8-10-53	1,8	79272
LSEA 1.8-10-51	1,8	79252
LSEA 1.8-41-51	1,8	79292

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.

LDR

Work positioning lanyards

EN358 - CNB/P/11.062

Adjustable lanyard LDR ø 11mm provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

This lanyard is a work positioning lanyard.

The LDR lanyard is formed by a stranded rope ø11mm made of rigid polyamide fibers, against the abrasion and the cut.

This lanyard is not a fall arrest.

- Adjustable positioning line
- Kernmantle rope (11mm)
- Integrated length adjuster (friction)
- Adjustable from 0.75 to 1.5m (1.5m) or from 1 to 2m (2m)
- Complies with:
  - EN358
  - CNB/P/11.062

Model	Length (m)	Product Code
LDR 11 1,5-B	1,5	78222
LDR 11 / 1,5 / 10-10	1,5	78232
LDR 11 / 1,5 / 10-11	1,5	78242
LDR 11 / 1,5 / 41-10	1,5	78272
LDR 11 / 1,5 / 41-10	1,5	78262
LDR 11 / 1,5 / 10-51	1,5	78252
LDR 11 / 2 / B	2	78332
LDR 11 / 2 / 10-10	2	78362
LDR 11 / 2 / 10-11	2	78372
LDR 11 / 2 / 10-41	2	78402
LDR 11 / 2 / 10-53	2	78432
LDR 11 / 2 / 10-51	2	78422

LCM03

Work positioning lanyards

EN358 - PPE-R/11.062

The work positioning lanyard LCM03 is a manually adjusted tensioner-reducer. This device works on a low-stretch rope with soul in steel diameter of 12.5 mm.

The LCM03 is compact and ergonomic and perfectly suited for work positioning.

The lanyard LCM03 is equipped with a compact, ergonomic tensioner-reducer. The device is made of high-strength aluminium. The tensioner-reducer LCM03 slide along the rope . In the event of a fall or loss of balance, the tensioner automatically locks.

The lanyard is formed by a braided rope reinforced with steel wire core, external diameter of 12.5 mm and length of 2m, 3m or 4m, equipped with a connector M10 on the tensioner and a connector M40 on the end of the rope

This lanyard is not a fall arrest.

Model	Length (m)	Product Code
LCM 03 - M42 M10T - 2 m	2	85292
LCM 03 - M42 M10T - 3 m	3	85302
LCM 03 - M42 M10T - 4 m	4	85312
Sleeve	-	18192

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.

LCM05 / LCM06

Work positioning lanyard

Adjustable Lanyard - LCM05

EN358 - PPE-R/11.062

The work positioning lanyard LCM05 is a manually adjusted tensioner-reducer. This device works on a low-stretch braided rope in polyamide diameter of 12.5 mm.

The LCM05 is compact and ergonomic and perfectly suited for work positioning.

The LCM05 is equipped with a compact, ergonomic tensioner-reducer. The device is made of high-strength aluminium. The tensioner-reducer LCM05 slide along the rope. In the event of a fall or loss of balance, the tensioner automatically locks.

The unit is supplied with braided rope diameter of 12.5 mm and length of 2m, 3m or 4m, equipped with a connector M10 on the tensioner and a connector M40 on the end of the rope

This lanyard is not a fall arrest.

Model	Length (m)	Product Code
LCM 05	2	79122
LCM 05	3	79132
LCM 05	4	79142
Sleeve	-	18192

Adjustable Lanyard - LCM06

EN358 - PPE-R/11.062

The work positioning lanyard LCM06 is a manually adjusted tensioner-reducer. This device works on a low-stretch stranded rope in polyamide diameter of 14 mm.

The LCM06 is compact and ergonomic and perfectly suited for work positioning.

The LCM06 is equipped with a compact, ergonomic tensioner-reducer. The device is made of high-strength aluminium. The tensioner-reducer LCM06 slide along the rope . In the event of a fall or loss of balance, the tensioner automatically locks.

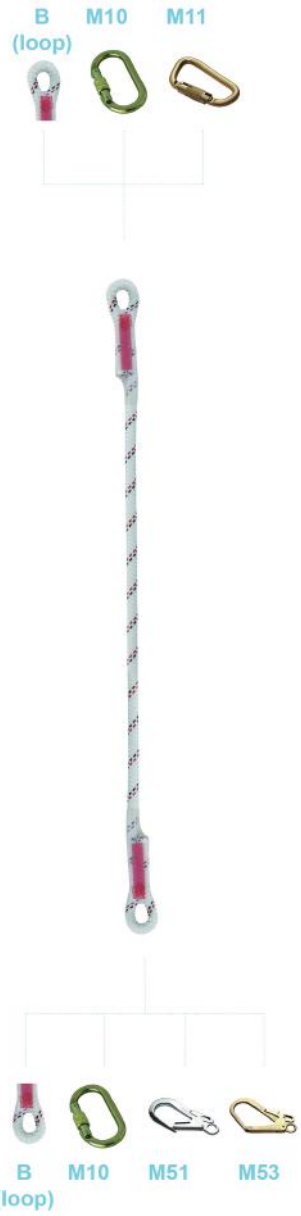
The unit is supplied with strandred rope diameter of 14 mm and length of 2m, 3m or 4m, equipped with a connector M10 on the tensioner and a connector M40 on the end of the rope

This lanyard is not a fall arrest.

Model	Length (m)	Product Code
LCM 06	2	79152
LCM 06	3	79162
LCM 06	4	79172
Sleeve	-	18192

LD 11 - Braided Rope Lanyard

Restraint lanyards



EN354 - PPE-R/11.062

Braided Rope Lanyard ø 11mm made of polyamide of 6.6 tex with extremity uckled and stitched.

LD lanyards are used to prevent the user from entering a fall-hazard zone (area-limiting work). These lines form a connecting element between the harness and the anchor point without a fall arrest system (fall arrestor). These lines should never stop a fall. The length must be chosen so that the user cannot get into a fall situation in any way.

Model	Length (m)	Product Code
LD 1-BB	1	33692
LD 1-10-10	1	37762
LD 1-10-51	1	40202
LD 1-10-53	1	40422
LD 1-11-53	1	83952
LD 1.5-BB	1,5	37752
LD 1.5-10-10	1,5	37772
LD 1.5-10-51	1,5	40212
LD 1.5-10-53	1,5	40432
LD 1.5-11-53	1,5	83962
LD 2-BB	2	33702
LD 2-10-10	2	37782
LD 2-10-51	2	40222
LD 2-10-53	2	40442
LD 2-11-53	2	83972

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.

LDF 11 - Braided Rope Lanyard

Restraint lanyards

EN354 - PPE-R/11.062

Double braided Rope Lanyard ø 11mm made of polyamide of 6.6 tex with extremity uckled and stitched.

Double lanyard LDF provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

LDF lanyards are used to prevent the user from entering a fall-hazard zone (area-limiting work). These lanyards form a connecting element between the harness and the anchor point without a fall arrest system (fall arrestor).
The double lanyard allows the user to switch between different anchor points and always remain secured. These lanyards should never stop a fall. The length should be selected in such a way that the user cannot get into a fall situation in any way.

Model	Length (m)	Product Code
LDF 0.5/1-BCC	0,5	37962
LDF 1 - BBB	1	37842
LDF 1-10-10-10	1	40232
LDF 1-10-53-53	1	40392
LDF 1-11-53-53	1	84222
LDF 1-10-51-51	1	37932
LDF 1.5-BBB	1,5	37852
LDF 1.5-10-10-10	1,5	40242
LDF 1.5-11-53-53	1,5	84232
LDF 1.5-10-53-53	1,5	40402
LDF 1.5-10-51-51	1,5	37942
LDF 2-BBB	2	37862
LDF 2-10-10-10	2	40252
LDF 2-10-53-53	2	40412
LDF 2-11-53-53	2	84242
LDF 2-10-51-51	2	37952

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.

LS - Webbing lanyard

Restraint lanyards

EN354 - PPE-R/11.062

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

The LS lanyard provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

LS lanyards are used to prevent the user from entering a fall-hazard zone (area-limiting work). These lanyards form a connecting element between the harness and the anchor point without a fall arrest system (fall arrestor).
These lanyards must never stop a fall. The length must be selected in such a way that the user cannot enter a fall situation in any way.

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

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.

LSE - Elastic Webbing Lanyards

Restraint lanyards

EN354 - PPE-R/11.062

Strap elastic webbing lanyard 30 mm, without shock absorber.

The elastic lanyards LSE are lanyards formed by a strap made of rigid polyester fiber woven on an elastic fiber core.
This elastic fiber has elongation properties which allow the lanyard to stretch by one-third of its contracted length.
The outer strap made of polyester fibers woven on the elastic fiber core gives the elastic lanyards LSE excellent resistance to abrasion and cutting when it comes into contact with a sharp edge,.
With respect to standard lanyards, the elastic lanyards LSE provide the advantage of being more compact and therefore more comfortable in use.
With respect to the elastic lanyards currently on the market, formed by a tubular strap with an elastic material inside the lanyard, the Tractel® elastic lanyards LSE provide a much higher degree of resistance to ageing (the strap keeps its elasticity much longer) and has a much more attractive design.

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

Safety connectors

Steel Connectors

EN362

Model	Description	Anchorage Hook Gate Opening	Weight (kg)	Product Code
M10	Manual screw locking	ø 18 mm	0.180	31652
M10T	Manual screw locking	ø 18 mm	0,163	76312
M11	semi-automatic locking - 17 mm opening	ø 22 mm	0.250	31662
M23T	Automatic locking triple safety	ø 17 mm	0.195	59002
M24T	Automatic locking double safety	ø 19 mm	0,193	78742
M41	Double trigger automatic locking	ø 18 mm	0.267	31722
M47	Double trigger automatic locking	ø 18 mm	0.250	33032
M53	Double trigger automatic locking	ø 59 mm	0.510	31772
M60	Semi-automatic locking	ø 50 mm	0.404	32482
M61	Manual screw lock	ø 50 mm	0,404	33082
MR9	Manual screw locking	ø 11 mm	0,144	39822

Stainless Steel Connectors

EN362

Model	Description	Anchorage Hook Gate Opening	Weight (kg)	Product Code
M31	Automatic locking by spring cover	Ø 80 mm	0.310	10432
M32	Automatic locking by spring cover	Ø 120 mm	0.360	10442
M33	Automatic locking by spring cover	Ø 150 mm	0.400	10452
M10 I	Manual screw locking	ø 18 mm	0,174	44202
MR9	Manual screw locking	ø 11 mm	0,144	39822

Safety connectors

Aluminium connectors

EN362

Model	Description	Anchorage Hook Gate Opening	Weight (kg)	Product Code
M12	Manual screw locking	Ø 23 mm	0.100	31672
M15	Semi-automatic locking	Ø 23 mm	0.090	31692
M22	Triple safety lock	Ø 23 mm	0.105	56222
M42	Double trigger automatic locking	Ø 21 mm	0.160	31732
M51	Double trigger automatic locking	Ø 63 mm	0.480	31752
M52	Sliding lock	Ø 60 mm	0.254	31762
M54	Double trigger automatic locking	Ø 110 mm	0.910	32462

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 connectors

EN 362

M10

- Permanent connection
- High capacity range 150kg
- Manual screw locking
- Carbon steel yellow zinc
- Opening ø 15 mm

M10T

- Permanent connections.
- High capacity range 150kg
- Manual screw locking
- Carbon steel yellow zinc
- Opening ø 18 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.

M11

- Frequent connection
- High capacity range 150kg
- Twist lock
- Carbon steel yellow zinc
- Opening ø 17 mm

M23T

- Frequent connection
- High capacity range 150kg
- Triple safety lock
- Carbon steel yellow zinc
- Opening ø 17 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.

M24T

- Frequent connections.
- High capacity range 150kg
- Double safety lock
- Carbon steel yellow zinc
- Opening ø 19 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.

M41

- Frequent connection
- High capacity range 150kg
- Double safety lock
- Carbon steel yellow zinc
- Opening ø 18 mm

Double automatic safety closure, no risk of the user forgetting to lock his connector, increased security.

Steel connectors

EN 362

M47

- Frequent connection
- High capacity range 150kg
- Double lock
- Twist
- Carbon steel yellow zinc
- **Without fall indicator**
- Opening ø 17 mm

M53

- Frequent connection on structures
- High capacity range 150kg
- Double safety lock
- Carbon steel yellow zinc
- Opening ø 53 mm

M60

- Frequent connection
- High capacity range 150kg
- Twist lock
- Carbon steel yellow zinc
- Opening ø 47 mm

M61

- Permanent connection
- High capacity range 150kg
- Manual screw locking
- Carbon steel yellow zinc
- Opening ø 47 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.

Stainless steel connectors

EN 362

M31

- Frequent connection on tubular framework
- High capacity range 150kg
- Double safety lock
- Stainless steel
- Opening 75 mm

M32

- Frequent connection on tubular framework
- High capacity range 150kg
- Double safety lock
- Stainless steel
- Opening 100 mm

M33

- Frequent connection on tubular framework
- High capacity range 150kg
- Double safety lock
- Stainless steel
- Opening 140 mm

- Permanent connection
- High capacity range 150kg
- Manual screw locking
- Body : Stainless steel
- Opening 17 mm

MR9

- Permanent connection
- High capacity range 150kg
- Manual screw locking
- Stainless steel 316l
- Opening ø 11 mm

Aluminium connectors

EN 362

M12

- Permanent connection
- Manual screw locking
- Aluminium
- Opening ø 23 mm

M15

- Frequent connection
- Triple safety lock
- Aluminium
- Opening ø 23 mm

M22

- Frequent connection
- Triple safety lock
- Aluminium
- Opening ø 23 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.

M42

- Frequent connection
- Double safety lock
- Aluminium
- Opening ø 18 mm

M51

- Frequent connection on structures
- Double safety lock
- Aluminium
- Opening ø 60 mm

M52

- Frequent connection
- Sliding lock
- Aluminium
- Opening ø 59 mm

M54

- Frequent connection on structures
- Double safety lock
- Aluminium
- Opening ø 110 mm

Anchor points

Applicable standards : EN 795

Before selecting an anchor point, it is essential to determine where it will be installed. The strength of the structure supporting the anchor point must be connsidered.

EN 795 Type A

Anchor devices which require one or more structural anchors to be secured.

- PAS
- PA anchor
- ringsafe
- PO

- ringflex
- Roof anchor
- Anchor posts

EN 795 Type B

Temporary and transportable anchor devices.

- AS19S
- AS19S GA
- AS30S
- Corso
- Rollclamp

- Rollbeam
- Ballsafe
- Door anchor
- Tempo 2
- Tempo 3
- Tirsafe

EN 795 Type C

Anchor devices using a flexible horizontal anchor line.

- Travsafe
- Travflex 2
- Travsmart

- Travspring
- Travspring One

EN 795 Type D

Anchor devices using a rigide horizontal anchor line.

- Travrail

EN 795 Type E

Deadweight anchor devices.

- Mobifor

Anchor points

Type A anchor points: fixed anchor points

Anchor - PA

EN795-A - CEN/TS16415 for use by two people

Tested to stop the fall of 2 users, 150kg

Tested to stop the fall of two operators weighing 150kg each (including the weight of their equipment)

- Aluminium anchor point
- Secured with M12 screw at 100mm intervals
- Includes traceability label

Model	Product Code
PA Aluminium	64488
PA Black	64448
PA Grey	64458
PA Red	64438
PA Yellow	64468

Anchor - PO

EN795-A - CEN/TS16415 for use by two people

Tested to stop the fall of 2 users, 150kg

Tested to stop the fall of two operators weighing 150kg each (including the weight of their equipment)

- Stainless steel.
- Includes traceability label.

Model	Product Code
PO Anchor	196428

Anchor - Ringsafe

EN795-A

Tested to stop the fall of 1 user, 150kg

Tested to stop the fall of one operator weighing 150kg (including the weight of his equipment)

- Includes fall indicator.
- Stainless steel.

Model	Product Code
Ringsafe Anchor	76299

Anchor - PAS

EN795-A

Tested to stop the fall of 1 user, 150kg

Tested to stop the fall of one operator weighing 150kg (including the weight of his equipment)

- Stainless steel.

Model	Product Code
PAS Anchor	196418

Anchor points

Type A anchor points: fixed anchor points

Anchor - Ringflex

EN795-A - CEN/TS16415 for use by two people

The Ringflex anchor point is designed for installation on flexible roofs of corrugated tray (steel or aluminium), dry tray or rolled tray (top seal) types.
The Ringflex is installed by means of different anchor plates, specific to each type of roof.

Model	Product Code
Ringflex anchor ring single item	193858
Universal plate for extremity and intermediate bracket in galvanised steel (thickness 3mm)	207788
Universal plate for extremity and intermediate bracket in stainless steel (thickness 3mm)	206888
Kit 4 clamps + 1 bolt M16	232577
Kit 12 rivets + rubber sealing bands + 1 bolt M16	232587

Tested to stop the fall of 2 users, 150kg

NB : The ringflex is sold without an anchor plate.
*For using universal plate, you have to order 4 clamps or 12 rivets.

Anchor points

Type A anchor points: fixed anchor points

Anchor - Roof Permanent Anchor

EN795-A

Tractel roof anchor points are designed to support a ladder and attached fall prevention devices.
They are secured directly into wooden roof trusses using annealed crampons or spikes.

- Materials: Galvanised or stainless steel.

Model	Product Code
galvanized, flat	66618
galvanized, curved	66628
galvanized, twisted	66638
spike 50 mm	66928
spike 90 mm	66938
spike 130 mm	66948
galvanized, annealed tips	66958

Tested to stop the fall of 1 user, 100kg

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.

Dynaline - Dynaplug

Measuring equipment for fixed anchor points

Dynaline HF 45

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

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

Model	W.L.L	Rope Diameter	Product Code
Kit Dynaline HF45/1/LPT	50 - 600	8 - 12	187998
Specific wire rope calibration	-	-	111347

Dynaplug HF 44

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

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

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

Anchor Tester TA

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

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

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

Posts

Galvanised anchor posts

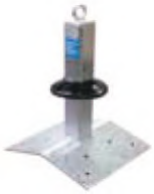
EN795-A

- Anchor posts fitted with a stainless steel anchor ring.
- 70x70 mm cross-section, made of galvanised steel.
- Tested to stop the fall of 1 user, 100 kg

Square base

Square base plate 20° inclined

Rectangular base



Base plate for roof ridges

Hoogte: 250mm

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	72178
Anchor post with a square base plate 270 x 270 mm, 20° inclined.	72318
Anchor post with a rectangular base plate 352 x 160 mm.	72038
Anchor post with a base plate for roof ridges 350 x 370 mm.	72048

Height: 500mm

Model	Product Code
Anchor post with a square base plate 270 x 270 mm, 20° inclined	72328
Anchor post with a rectangular base plate 352 x 160 mm.	72058
Anchor post with a base plate for roof ridges 350 x 370 mm.	72068

Height: 750mm

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	72338
Anchor post with a rectangular base plate 352 x 160 mm.	72348

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 6. Maximum quantities apply for this service.

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

Posts

Insulated anchor posts

EN795-A

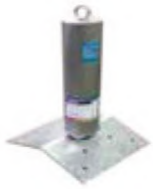
Insulated anchor posts with a stainless steel anchor ring. 70x70 mm cross-section, made of galvanised steel, with thermal protection. They are designed to eliminate the risk of condensation in winter when the outside temperature drops below 0° C. They also help to keep your roof insulation to its optimal efficiency, reduce heat energy waste and protect the post thanks the external cover in stainless steel.

Tested to stop the fall of 1 user, 100 kg

Square base

Square base plate 20° inclined

Rectangular base



Base plate for roof ridges

Height: 250mm

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	186548
Anchor post with a square base plate 270 x 270 mm, 20° inclined.	186558
Anchor post with a rectangular base plate 352 x 160 mm.	186568
Anchor post with a base plate for roof ridges 350 x 370 mm.	186578

Height: 500mm

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	186588
Anchor post with a square base plate 270 x 270 mm, 20° inclined.	186598
Anchor post with a rectangular base plate 352 x 160 mm.	186608
Anchor post with a base plate for roof ridges 350 x 370 mm.	186618

Height: 750mm

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	186628
Anchor post with a rectangular base plate 352 x 160 mm.	186638

Accessoires

Model	Product Code
Sealing collar for post section 70 x 70 mm	129505
Back plate in galvanized steel ep. 10 mm for post 70 x 70mm height 250 and 500 mm square plate 270 x 270 mm	130995
Back plate in galvanized steel ep. 10 mm for post 70 x 70 mm height 750 mm square plate 270 x 270 mm	133295

Posts

Stainless steel anchor posts

EN795-A

- Anchor posts with a stainless steel anchor ring. 80x80 mm cross-section
- Made of stainless steel.
- Tested to stop the fall of 1 user, 100 kg

Square base

Rectangular base

Base plate for roof ridges

Height: 250mm

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	186748
Anchor post with a rectangular base plate 352 x 160 mm.	186758
Anchor post with a base plate for roof ridges 350 x 370 mm.	186768

Height: 500mm

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	186778
Anchor post with a rectangular base plate 352 x 160 mm.	186788
Anchor post with a base plate for roof ridges 350 x 370 mm.	186798

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 6. Maximum quantities apply for this service.

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

Anchor points

Type B anchor points: mobile anchor points

Tested to stop the fall of 1 user, 150kg

Anchor AS19S

EN795-B

- To create an anchor point on a frame.
- Width 19 mm.

Model	Product Code
AS19S - 0.6 m	38382
AS19S - 0.8 m	38392
AS19S - 1.0 m	38402
AS19S - 1.5 m	80852
AS19S - 2 m	72152
Sleeve	18192

Tested to stop the fall of 1 user, 150kg

AS19S GA anchor sling

EN795-B

Ring (supplied without connector) for anchoring on a structure on which a fall-arrest system has been installed.

The AS19S GA is delivered with a protective sleeve against sharp or abrasive edges made of kevlar. The kevlar sheath provides optimum protection against cuts and abrasion.

Model	Product Code
AS19S GA - 0.6 m	81412
AS19S GA - 0.8 m	81422
AS19S GA - 1 m	81432
AS19S GA - 1.5 m	81452
AS19S GA - 2 m	81462

Anchor points

Type B anchor points: mobile anchor points

Anchor AS30S

EN795-B

- To create an anchor point on a frame.
- Width 30 mm.

AS30 S

Tested to stop the fall of 1 user, 150kg

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

Anchor - corso

EN795-B

corso clamp beam clamp with adjustable threaded bar.

- Compact and strong construction.
- Fast and simple adjustment to section.

Model	Weight (kg)	Product Code
corso LT-1B Beam Clamp	4.380	97929

Tested to stop the fall of 1 user, 150kg

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.

Anchor points

Type B anchor points: mobile anchor points

Rollbeam

EN795-B

- Push trolley.
- Travels on lower iron footplate.

Model	Description	Weight (kg)	Product Code
rollbeam SB	Standard - adjustable from 58 - 220 mm	11,7	54369
rollbeam LB	Extra wide - adjustable from 220 - 300 mm	12,7	88559

Tested to stop the fall of 1 user, 150kg

Rollclamp

EN795-B

Enables the creation of a mobile anchor point on an R.S.J. and the ability to work safely while retaining a wide range of movement. Thanks to its 4 bearing rollers, the rollclamp follows movement around the framework with minimal user intervention.

- Medium adjustable: 90- 400 max.
- Large adjustable: 200 - 615 max.
- Can be installed on the upper or lower soleplate.
- rollclamp Weight: M 1.48 kg and L 2.04 kg.

Model	Weight (kg)	Product Code
medium	1.500	86009
large	2.080	86019

Tested to stop the fall of 1 user, 150kg

Anchor points

Type B anchor points: mobile anchor points

Anchor - Ballsafe

The ballsafe anchor point is made up of a four block plug and a female socket. It is sealed into concrete or a material of equal density using a chemical compound.

Model	Product Code
ballSafe eye	89776
ballSafe female socket	89786

Tested to stop the fall of 2 users, 100kg

Door anchor bar 150kg

The Tractel door bar anchor is a mobile anchor point that complies with the EN 795B standard.

This bar has been specially designed to create a reliable and quick to install anchor point. It is positioned in the opening of a sufficiently strong window or door.

This product is designed for people accessing area with a risk of fall from height in the vicinity of a door or window such as in construction sector or during the inspection of the building façade.

The door anchor bar is adjustable from 640 to 1100 mm.
It can be used simultaneously by 2 operators of 150 kg each.
It is made of galvanised steel and measures 1410 x 110 x 170mm and weighs 9 kg.

Model	Weight (kg)	Product Code
Door anchor bar 150kg	9	294649

Tested to stop the fall of 2 users, 150kg

Door anchor bag

Model	Product Code
Transport bag	68752

Telescopic pole

Connecting fall protection to remote anchor point

AM53 connector

AM54 connector

EN795-B

6 meters long pole. Enables the setting up of a lifeline from the ground.

- polyester pole
- With adapter for karabiner AM53 or AM54
- Pole weight : 2.685 kg
- Karabiner weight : 0.765 kg

Model	Product Code
Pole- 6 meter long	106697
AM53 connector	106117
AM54 Connector	113427

Note: The pole and connector are sold separately.

Mobifor

Deadweight anchoring system, for installation on flat roofs and fall risk areas

EN795-E

The Mobifor is a revolutionary, deadweight anchoring system, for installation on flat roofs and fall risk areas. The set consists of 24, steel-reinforced, concrete blocks, positioned on four steel arms. The arms are connected at the centre by a joining plate equipped with a rotary anchor point with an energy dissipater.

SPECIFICATION

- 4 arms made of galvanised steel.
- 24 concrete weights.
- Rotary anchor point.
- Conforms to standard EN 795-E.

NO TOOLS REQUIRED

- The connecting plate is set up with no need to drill holes in the roof.
- The arms click easily into the plate.
- Weights automatically interlock.

EASY TO SET UP

- Takes less than 5 minutes to set up.
- The system uses ergonomic weights with large handles.
- Overall weight is distributed across 24 separate weights making it easy to lift and carry.
- The weights are easy to install on the arms.

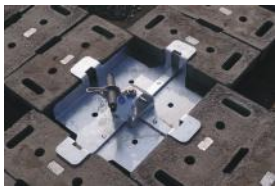
ENHANCED FALL PROTECTION

- 360 degree movement possible thanks to the rotary anchor point.
- Compatible with a variety of fall arrest devices.

EXTREMELY VERSATILE

- Adapts to all horizontal roofs meeting European requirements.
- Its weight and volume allows for installation in places where traditional anchoring systems cannot be installed.
- Can be placed on a slope with an inclination of up to 5 degrees.
- Can be installed without penetrating the roof surface.
- Can be installed on the following roof surfaces: EPDM, bitumen, PVC.

Model	Weight (kg)	Product Code
Mobifor mobile anchor point	650	279409



Getest om de val van 1 gebruiker, 100kg, te stoppen.

When installing and maintaining skylights on flat or gently sloping shed roofs, there is a risk of exposing the operator to a pendulum effect and large braking distances, even within the perimeter of the roof edge line. The combined use of two Blocfor devices connected to two Mobifor anchor points allows you to reduce intervention distances. For more information on a specific application, please contact our Customer Service.

Lifelines

Temporary lifelines

Tempo 2 - Temporary Lifeline

EN795 - CEN/TS16415

Tempo 2 is a temporary lifeline, easy and quick to install when there are two anchoring points offering sufficient resistance (28 kN). Lightweight, it allows total freedom of horizontal movement. The Tempo 2 lifeline can be installed on the ridge tiling of a roof or onto a metal structure.

- Synthetic fibre webbing straps, adjustable from 5 to 20 m.
- Can be used by 2 people.
- 7 metres clearance.
- Supplied with 2 AS30S webbing strap rings, 2 MR9 connectors and a shoulder bag.

Model	Product Code
Tempo 2 kit	206018

Tempo 3 - Braided Rope - Temporary Lifeline

EN795 - CEN/TS16415

Tempo 3 is a compact, temporary lifeline, and is the fastest, most efficient lifeline available on the market.
Using a static rope, N.G.R reinforced, and a tensioning system, the tempo 3 allows for simultaneous use by 3 users. This lifeline offers the possibility of setting up a temporary lifeline with a maximum length of 18 metres between two anchor points of sufficient strength (15 kN).

- Static rope line, N.G.R reinforced, adjustable from 5 to 18 m.
- Supplied with two AS30S webbing strap rings, 2 M10 connectors and a shoulder bag.

Model	Product Code
Tempo 3 kit	207068

Tirsafe Wire Rope Temporary Lifeline

EN795 - CEN/TS16415

Tirsafe T3 is a temporary lifeline that is easy and quick to install when there are two anchoring points offering sufficient support (30 kN). It allows for total freedom of horizontal movement. Adjustable from 5 to 30 m.
The Tirsafe T3 temporary lifeline includes:

- 1 anchoring point with Tirsafe T3 energy shock-absorber.
- 1 tirfor T3 cable winch.
- 2 x 2 metre slings.
- The Tirsafe T3 temporary lifeline guarantees the safety of 3 people.

Model	Description	Product Code
Tirsafe kit	with a 20m, 8.3 mm diameter cable	280559
Tirsafe kit	with a 30m, 8.3 mm diameter cable	276149

Permanent lifelines

EN 795-C:2012, CEN/TS 16415:2013

Permanent lifelines are part of fall arrest systems when they are used as the anchor solutions. As an anchor solution, their certification is related to the norm EN 795 of 2012 for single user and CEN/TS 16415 of 2013 for multi users.

Permanent lifelines are designed to stop the fall of one (or more, as specified below) users and to absorb part of the energy transmitted to the supporting structure. When used as a part of a fall arrest system, the user must always wear a safety harness and a fall arrester with shock absorber limiting the impact of the fall to 600daN on his body.

Tractel offers a wide range of permanent lifelines including a rigid rail solution to suit best each application.

	Travsafe	Travrail	Travflex 2	Travsmart	Travspring	Travspring One
Intermediate anchor crossing (Comfort of use)	**Excellent, away from the lifeline**	**Excellent, away from the lifeline**	Good, away from the lifeline	Good, away from the lifeline	Manual and near to the lifeline	Manual, near to the lifeline & disconnecting from the lifeline
Lifeline length	**Up and above 200m**		Up to 200m			
Frequency of use	**Daily**		Regular		Occasional	
Sliders availability	**Standard, Opening, Rollsafe for overhead**	**Standard, Rolling/rope access, Rope access for wall**	Bi-directional slider[3]		Not available	
Installation type						
Overhead	✓	✓	-	✓	-	-
Wall and floor	✓					
Distance between anchor[1]	**30 m**	6 m	15 m			
Deflection of the lifeline[1] (Configuration: 5x 15m, 1 user 150kg)	1,4 m (with bi material absorber ring 2.94 m)	**0 m (with 6m between brackets)**	3 m	2,8 m	2,8 m	2,8 m
Force on end anchor[1] (Configuration: 5x 15m, 1 user 150kg)	High 28 kN	Low 7 kN[2]	**Lowest 6 kN**	Low 7 kN	Medium 10 kN	Medium 10 kN
Specific installation	Heavy structure	Standard structure	**Lightweight structure**	Standard structure		
Maximum of simultaneous user	**3 x 150 kg** or 5 x 100 kg	3 x 100 kg	2 x 150 kg or 3 x 100 kg	**3 x 150 kg** or 5 x 100 kg		
Main material	Stainless steel or galvanised steel	Aluminium	Stainless steel or galvanised steel			Galvanised steel

1 (depending on the specific configuration of the lifeline)

2 (irrelevant of the number of simulatenous user with max weight of 100 kg)

3 (switch from one side to the other side of the wire rope without disconnecting)

Travsafe

Lifeline with 2 cables

EN795-C - CEN/TS16415

The new Travsafe lifeline is an evolution of the previous version. It complies with the European norm EN795-C and the CEN/TS16415 for multi-user. The Travsafe lifeline with its two cables is the most efficient and sophisticated lifeline on the market.

As an extension of Tractel High Capacity Range, the Travsafe lifeline is now certified for user weighing up to 150kg including all their equipment.

This lifeline is certified for a simultaneous use for a maximum of 5 users 100kg or 3 users 150kg.

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travsafe lifeline. All lanyards certified EN 355 can be used with the Travsafe lifeline.

Thanks to its specific design, the slider easily moves past the intermediate cable brackets, with no need for any manual intervention.

Two versions are now available:

- Travsafe with stainless steel shock absorber rings
- Travsafe with two-material shock absorber ring

These two Travsafe lifeline versions are designed for overhead, on wall or ground installations. The anchors can be installed on any structure or by using post interfaces. Intermediate anchors must be positioned no more than 15 meters apart.

When configured in stainless steel (anchors, wire ropes and absorber rings), the Travsafe offers the possibility to have a distance between anchors from **0.8m to 30m** in both single span and multi spans configuration.

The Travsafe is particularly well suited for long applications (over 200m). On overhead application, the Rollsafe slider ensures a smooth gliding of any fall arrester (including heavy self-retracting block) on the twin system.

For more information please contact Tractel.

Tested to stop the fall of

3 users, 150kg,

OR

5 users, 100kg

Travsafe

Lifeline with 2 cables

startkit contents:

- 2x End stops
- 4x Absorption rings
- 4x Stop rings
- 4x Red covers
- 1x Installation manual in EN/FR/DE/NL/IT/ES
- 1x Type plate in EN/FR/DE/NL/IT/ES

Example:

I want a stainless steel Travsafe lifeline in single span of 30 metres.

I need to order:

- 1x Travsafe start kit SS1

Stainless steel wire rope 1

- 1x start kit stainless steel wire rope
- 25x stainless steel wire rope

Stainless steel wire rope 2

- 1x start kit stainless steel wire rope
- 25x stainless steel wire rope

Standard traveller

Opening slider

Rollsafe slider

Start kits and sets allow you to have the basic elements to build your lifeline.
Then add the length of wire rope needed for your project. If applicable, you should also incorporate compatible intermediate anchors and curve kits. Don't forget your Travsafe sliders.

Galvanised wire ropes

Model	Product Code
Travsafe startkit GA1	277467
Travsafe startkit GS1 | galvanised wire rope, stainless steel anchors & absorbers	277487
Travsafe startkit GA2 | galvanised wire rope, aluminium anchors & bi-material absorbers	277507
Travsafe startkit GS2 | galvanised wire rope, stainless steel anchors & bi-material absorbers	277527
Start kit | galvanised - 5m	277547
Additionnal meter of wire rope galvanised	274247

Stainless steel wire ropes

Model	Product Code
Travsafe startkit SS1 | stainless steel wire rope, stainless steel anchors & rings	277497
Travsafe startkit SS2 | stainless steel wire rope, stainless steel anchors & bi-material absorbers	277537
Start kit | stainless steel - 5m	277557
Additionnal meter wire rope stainless steel	274257

Tussensteunen en absorptieringen

Model	Product Code
Travsafe | Intermediate aluminium anchor	20715
Travsafe | Intermediate stainless steel anchor	126435
Kit stainless steel absorbers (4x)	293679
Kit bi-material absorbers (4x)	293689
Curve kit stainless steel anchors & stainless steel absorbers	74317
Curve kit stainless steel anchors & bi-material absorbers	193048

Travellers & accessories

Model	Product Code
Kit language EN/RU/DK/PT/PL	293649
Counter plate Travsafe™ post	130995
Curve plate for post installation	114375

Model	Product Code
Repair rings	20875

Travsafe Essential

Twin-cable lifeline

EN795-C - CEN/TS16415

NEW

The Travsafe Essential lifeline is an innovative addition to the Travsafe range, designed to ensure safety when working at height.

Travsafe Essential enables users and installers to select an alternative effort / deflection compromise. Fully compatible with Travsafe sliders and anchor points, it uses a different cable, that enables lesser effort on anchor points

The Travsafe Essential twin-cable lifeline provides the most efficient and safest operating comfort of all Tractel lifelines. The different sliders ensure the best use no matter the type of installation.

The Travsafe Essential is a permanent horizontal lifeline system that is easy to install (with same tools than Travsafe lifeline) and can allow up to 5 users with a maximum weight of 100 kg each or 3 users with a maximum weight of 150 kg each (weight including tools).

It complies with the European standard EN795-C and the CEN/TS16415 for multi-users.

Travsafe Essential lifeline can be adapted for different structures :

- Standard and Heavy structure = Bi-material absorber ring (reduce the force on the anchors)
- Every 45m, additional rings (4) must be installed to ensure the tension in the cables

This lifeline is only available in a straight line, no bends, simplifying installation and use.

Tested to stop the fall of

3 users, 150kg

OR

5 users, 100kg

Travsafe Essential

The lifeline can be configured with stainless steel or galvanised wire ropes, stainless steel or aluminium anchors and stainless steel or bi-material absorber rings.

How to configure your lifeline?

The Start kit and Travsafe Essential kit are the basic elements of your future lifeline. Then add the length of cable needed for your project.
Depending on the number of users of the line, as well as the type of installation (floor/wall/ceiling), add Travsafe Essential sliders.

Main components

Model	Product Code
Kit Travsafe Essential with stainless steel anchors and bi-material rings for galvanised wire ropes	298087
Start kit - galvanised steel wire rope - 1,5 m	298107
1 m galvanised steel wire rope for Travsafe Essential lifeline	298127
Kit Travsafe Essential with stainless steel anchors and bi-material rings for stainless steel wire ropes	298147
Start kit - stainless steel wire rope - 1,5 m	298117
1 m stainless steel wire rope for Travsafe Essential lifeline	298137

Additional components

Model	Product Code
Red caps kit (4x)	293659
Kit stop rings (x4)	293669
Kit bi-material absorber rings for Travsafe Essential (4x)	299679
Additional sign plate EN/FR/DE/IT/ES/NL	277127
Additional sign plate EN/DK/PT/PL	277237
Travsafe Essential kit language EN/PT/PL/DK	299549

Sliders

Model	Product Code
Rollsafe slider	251649
Standard slider	76149
Opening slider	76159

Travsafe Essential is compatible with all Travsafe sliders (Standard, Open, Rollsafe), as well as with an M53 lanyard (except for overhead applications).

M53 should be used with fork or double connection lanyards for the passage of intermediate anchors. This product is available on request, in several configurations.

Post

Model	Product Code
Travsafe post galvanised 500mm	104565
Counter plate for Travsafe post	131825

Travflex 2

Single cable lifeline

EN795-C - CEN/TS16415

The new Travflex 2 lifeline is an evolution of the previous version. It complies with the European norm EN795-C and the CEN/TS16415 for multi-user.

As an extension of Tractel High Capacity Range, the Travflex 2 lifeline is now certified for user weighing up to 150kg including all their equipment.
This lifeline is certified for a simultaneous use for a maximum of 3 users 100kg or 2 users 150kg.

Intermediate anchors must be positioned no more than 15 meters apart.

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travflex 2 lifeline. All lanyards certified EN 355 can be used with the Travflex 2 lifeline.

Travflex 2 is the dedicated Tractel lifeline for light structure. Combined with the universal plate, it can be installed on a large range of light structures such as steel deck, sandwich panel and standing seem.

The Travflex 2 lifeline is certified for the following installation: on a wall, on an inclined surface up to 15° or on the ground.

The Travflex 2 lifeline advantages:

MEETS THE USER'S NEEDS:

- Choices of installations and uses (ergonomics).
- Automatic anchor crossing thanks to the travsmart slider.
- The user can work on either side of the lifeline without the need to disconnect (improved safety).
- Wire rope available in galvanized steel or stainless steel.

MEETS THE INSTALLER'S NEEDS:

- No special tools are required for the installation of the lifeline.
- Thanks to the wedge socket, the risk of the cable clamp nuts coming loose over time is fully eliminated.
- Quick and easy installation of the lifeline thanks to the design of the intermediate anchor.
- In the event of a fall, there is no need to fully dismantle the lifeline. Simply loosen the cable to remove and reinstall the failed intermediate supports (installation time reduced).

The kits Travflex 2 include two end anchors repectively in stainless steel or galvanised steel.

For more information please contact Tractel.

Tested to stop the fall of

2 users, 150kg,

OR

3 users, 100kg

Travflex 2

Single cable lifeline

Start kit contents:

- 1x tensioner
- 1x tension indicator
- 2x INRS shock absorber + MR9 connector
- 1x wedge clamp (cable clamp) + MR9 connector
- 1x End anchor (galva or stainless steel)
- 1x Installation manual in EN/FR/DE/NL/IT/ES
- 1x Type plate in EN/FR/DE/NL/IT/ES

Start kits and kits allow you to have the basic elements to build your lifeline.

Then add the length of cable needed for your project.

If applicable, you should also incorporate compatible intermediate and turn anchors.

Don't forget your slider.

Model	Product Code
Kit Travflex 2 galva	293629
Start kit galvanised 5M	57252
Additional meter galvanised wire rope	238497
Travsmart / Travflex 2 slider	251349

Model	Product Code
Kit Travflex 2 stainless steel	293639
Start kit stainless steel	57262
Additional meter of stainless steel wire rope	277137
Travsmart / Travflex 2 slider	251349

Model	Product Code
Intermediate anchor	100398
Curve kit stainless steel for installation on concrete	100628
Curve kit stainless steel for installation on plate	100418
Curve kit galvanised for installation on concrete	100618
Curve kit galvanised for installation on plate	100408
Additional sign plate	277127
Riveter machine	100568

Exemple:

I wish to install a Travflex 2 lifeline with galvanized cable for application on rigid structure, 45 m.

I have to order :

- 1 kit Travflex 2 galva
- 1 start kit galva
- 40 meters of galva cable (start kit has already 5 m of cable)
- 2 Intermediate anchor
- 1 slider

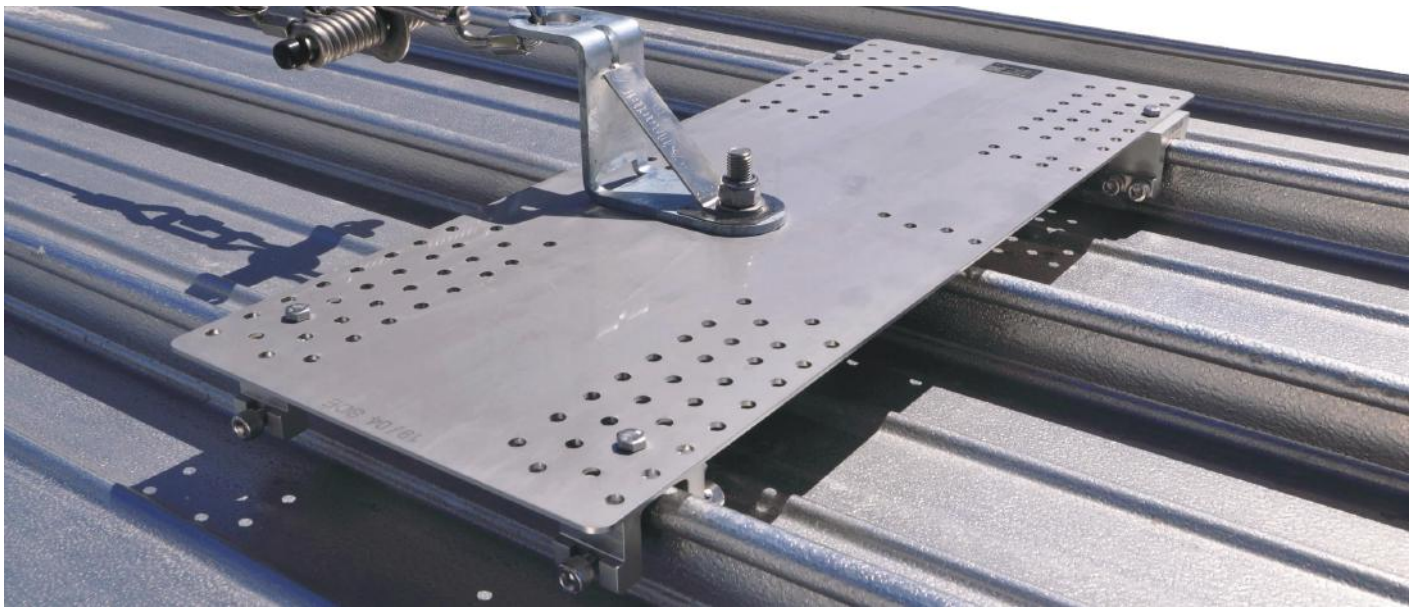
Order products on day 1, will be shipped no later than day 2

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

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.

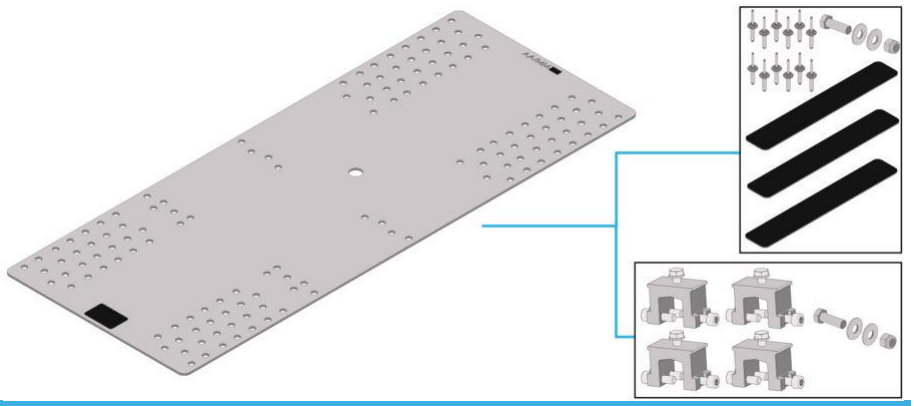
There are two versions availabe, depending on the intended use:

- Plate for extremity & intermediate bracket or anchor point.
- Plate for curved bracket.

The plate can be mounted on a wide range of roofs:

- Metal sheet roofing.
- Sandwich panel.
- Aluminium standing seam.

Depending on the application, the plate is supplied with a set of 4 clamps or a set of 12 rivets.



Model	Product Code
Extremity & intermediate universal plate in stainless steel	206888
Extremity & intermediate universal plate in galvanized steel	207788
Curve universal plate in stainless steel	206878
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.

Levering

Iedere universal plate wordt geleverd met installatiehandleiding.

Elke bevestigingsset bevat 4 klemmen of 12 klinknagels en wordt geleverd met 1x schroef HM16, 2x M16 ringen,1x M16 borgmoer.

Travsmart

Tested to stop the fall of

3 users 150kg

OR

5 users, 100kg

EN795-C - CEN/TS16415

The Travsmart lifeline complies with the European norm EN795-C and the CEN/TS16415 for multi-user.

As an extension of Tractel High Capcity Range, the Travsmart lifeline is now certified for user weighing up to 150kg incldluing all their equipment.
This lifeline is certified for a simultaneous use for a maximum of 5 users 100kg or 3 users 150kg.

Intermediate anchors must be positioned no more than 15 meters apart.
In single span configuration (without intermediate anchor), Tractel has certified the travsmart lifeline with a maximum distance between end anchors of **30m**!

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travsmart lifeline. All lanyards certified EN 355 can be used with the Travsmart lifeline.

Travsmart is the most polyvalent lifeline of Tractel' portfolio. The Travsmart lifeline is certified for the following installation: overhead, on a wall, on an inclined surface up to 15°, on the ground or on a post.

The Travsmart lifeline advantages:

MEETS THE USER'S NEEDS:

- Choices of installations and uses (ergonomics).
- Automatic anchor crossing thanks to the travsmart slider.
- The user can work on either side of the lifeline without the need to disconnect (improved safety).
- Wire rope available in galvanised steel or stainless steel.

MEETS THE INSTALLER'S NEEDS:

- No special tools are required for the installation of the lifeline.
- Thanks to the wedge socket, the risk of the cable clamp nuts coming loose over time is fully eliminated.
- Quick and easy installation of the lifeline thanks to the design of the intermediate anchor.
- In the event of a fall, there is no need to fully dismantle the lifeline. Simply loosen the cable to remove and reinstall the failed intermediate supports (installation time reduced).

For more information please contact Tractel.

Travsmart

Start kits and kits allow you to have the basic elements to build your lifeline.
Then add the length of cable needed for your project, as well as two end anchors.
If applicable, you should also incorporate compatible intermediate anchors and turn kits.
Don't forget your Travsmart slider.

Model	Product Code
Kit Travsmart galvanised 150kg	277157
Start kit galvanised	57252
Additional meter galvanised wire rope	238497
Travsmart slider	251349

Model	Product Code
Kit Travsmart stainless steel 150kg	277167
Start kit stainless steel	57262
Additional meter of stainless steel wire rope	277137
Travsmart slider	251349

Model	Product Code
Travsmart end anchor for ground, wall and overhead	193897
End anchor for post	66698
Travsmart standard in	193847
Travsmart overhead intermediate anchor	193857
Travsmart standard corner kit	193867
Travsmart overhead corner kit	193877
Travsmart corner plate for standard corner kit on post	193887
Additional sign plate	277127

Example:

I would like to install a travsmart lifeline with stainless steel cable for wall application, 45m.

I have to order :

- 1 kit travsmart stainless steel
- 1 start kit stainless steel
- 40 meters of stainless steel wire rope (start kit has already 5 m of wire rope)
- 2 travsmart end anchors for ground, wall and overhead
- 2 intermediate anchors
- 1 travsmart slider

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.

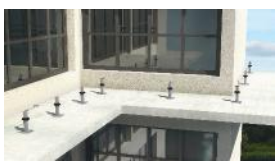
Travspring

Tested to stop the fall of

3 users, 150kg,

OR

5 users, 100kg



EN795-C - CEN/TS16415

The Travspring lifeline complies with European norms EN795-C and CEN/TS16415 for multi-user. It is certified for users weighing up to 150kg and allows simultaneous use for a maximum of 5 users at 100kg or 3 users at 150kg

When configured with one INRS absorber, intermediate anchors can be positioned from **1.8 to 28.5m.** In a configuration with 2 INRS absorbers, intermediates must be positioned no more than 15 meters apart.

In single span configuration (without intermediate anchor), Tractel has certified the Travspring lifeline with a maximum distance between end anchors of **30m!**

MEETS THE USER'S NEEDS:

- Proximity lifeline
- Choices of installations and uses (ergonomics).
- The user can work on either side of the lifeline without the need to disconnect (improved safety).
- Wire rope available in galvanised steel or stainless steel.

MEETS THE INSTALLER'S NEEDS:

- No special tools are required for the installation of the lifeline.
- Thanks to the wedge socket, the risk of the cable clamp nuts coming loose over time is fully eliminated.
- Quick and easy installation of the lifeline thanks to the design of the intermediate anchor.
- In the event of a fall, there is no need to fully dismantle the lifeline. Simply loosen the cable to remove and reinstall the failed intermediate supports (installation time reduced).

For more information please contact Tractel.

Travspring

Start kits and kits allow you to have the basic elements to build your lifeline.

Then add the length of cable needed for your project.

If applicable, you should also incorporate compatible intermediate and turn anchors.

Model	Product Code
Kit Travspring stainless steel 150kg	276977
Start kit stainless steel	57262
Additional meter of stainless steel wire rope	277137

Model	Product Code
Kit Travspring galva 150kg	276967
Start kit galvanised	57252
Additional meter galvanised wire rope	238497

Model	Product Code
End anchor for ground and wall	66848
End anchor for post	66698
Travspring intermediate anchor	66868
Travspring corner kit	66878
Travspring corner plate	66998
Additional sign plate	277127

Example:

I would like to install a Travspring lifeline with galvanized cable for application on post, 122m, and a total of two INRS shock absorbers.

I have to order :

- 1 kit Travspring galva
- 1 start kit galva
- 117 meters of galva cable (start kit have already 5 m of cable)
- 2 End anchor for post
- 8 intermediate anchor
- 1 INRS absorber
- 1 Additional sign plate

Galvanised post

- Interface posts for the end or intermediate anchors, including curves for the travsmart, travspring™ or travspring™ one lifelines.
- 70x70 mm cross-section, made of galvanised steel.

Model	Product Code
With pulley 500mm for Travspring	68478
Counter plate for square base post 250mm and 500mm	130995
Counter plate for square base post 750mm	133295

Square base post 500mm high (code 66888)

Travspring one

Tested to stop the fall of

3 users, 150kg,

OR

5 users, 100kg

EN795-C - CEN/TS16415

The new Travspring One lifeline is a derivative of the Travspring lifeline. It complies with the European norm EN792-C:2012 and the CEN/TS16415:2013 for multi-user.

It is designed as a simple and inexpensive lifeline for occasional use. The system requires a double lifeline to pass the intermediate supports and curves.

150kg High Capacity Range

As an extension of Tractel High Capcity Range, the Travspring One lifeline is now certified for user weighing up to 150kg including all their equipment. This lifeline is certified for a simultaneous use for a maximum of 5 users 100kg or 3 users 150kg. In order to comply with the 150 kg classification, the harness and connection (lifelines, automatic fall arrest devices or guided fall arresters with flexible anchor line) must all have a 150 kg classification.

Specifications

Intermediate anchors must be positioned no more than 15 meters apart. In single span configuration (without intermediate anchor), Tractel has certified the Travspring lifeline with a maximum distance between end anchors of 30 meter.

The Travspring lifeline is certified for the following installation: on a wall, on an inclined surface up to 15°, on the ground or on a post. In addition, in a single span configuration, travspring™ can be installed overhead.

The system is supplied with a visual tension indicator and an in-line energy absorber.

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travspring One lifeline. All lanyards certified EN 355 can be used with the Travspring One lifeline.

Benefits

- Thanks to the wedge socket, the risk of the cable clamp nuts coming loose over time is fully eliminated.
- No special tools are required for the installation of the lifeline.
- Few components to install.

Travspring one

Start kits and kits allow you to have the basic elements to build your lifeline.

Then add the length of cable needed for your project.

If applicable, you should also incorporate compatible intermediate and turn anchors.

Model	Product Code
Kit Travspring One galva 150kg	277177
Start kit galvanised	57252
Additional meter galvanised wire rope	238497

Model	Product Code
Travspring end anchor ground and wall	66848
Travspring One end anchor for post	87368
Travspring One intermediate anchor for post	113297
Travspring One intermediate anchor for wall	113247
Travspring corner kit	66878
Travspring corner plate	66998
Additional sign plate	277127

Example:

I would like to install a Travspring lifeline with galvanized cable, 122m.

I have to order :

- 1 kit Travspring One galva
- 1 start kit galva
- 117 meters of galva cable (start kit have already 5 m of cable)
- 2 End anchors
- 8 intermediate anchors

Contents starter kit:

1x INRS shock absorber + MR9 connector
1x wedge clamp (cable clamp) + MR9 connector
1x MR9 connector
1x Installation manual in EN/FR/DE/NL/IT/ES
1x Type plate in EN/FR/DE/NL/IT/ES

Galvanised post

- Interface posts for the end or intermediate anchors, including curves for the travsmart, travspring™ or travspring™ one lifelines.
- 70x70 mm cross-section, made of galvanised steel.

Model	Product Code
With pulley 500mm for Travspring	68478
Counter plate for square base post 250mm and 500mm	130995
Counter plate for square base post 750mm	133295

Square base post 500mm high (code 66888)

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.

Interface posts for lifeline

Galvanised posts

Square base

Square base plate 20° inclined

Rectangular base

Base plate for roof ridges

Height: 250mm

Model	Product Code
Post with an inclined base plate for roof ridges 270 x 270 mm, 20° incline.	72278
Post with a rectangular base plate for roof ridges 352 x 160 mm.	71968
Post with a base plate for roof ridges 350 x 370 mm.	71988

Height: 500mm

Model	Product Code
Post with a square base plate for roof ridges 270 x 270 mm, 20° incline.	72288
Post with a rectangular base plate for roof ridges 352 x 160 mm.	71978
Post with a base plate for roof ridges 350 x 370 mm.	71998

Height: 750mm

Model	Product Code
Post with a square base plate for roof ridges 270 x 270 mm.	72298
Post with a rectangular base plate for roof ridges 352 x 160 mm.	72308

For the calculation of these posts, please contact our Customer Service.

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.

Interface posts for lifeline

Insulated anchor posts

Insulated anchor posts with a stainless steel anchor ring. 70x70 mm cross-section, made of galvanised steel, with thermal protection. They are designed to eliminate the risk of condensation in winter when the outside temperature drops below 0° C. They also help to keep your roof insulation to its optimal efficiency and reduce heat energy waste.

Square base

Square base plate 20° inclined

Rectangular base

Base plate for roof ridges

Height: 250mm

Model	Product Code
Post with a square base plate for roof ridges 270 x 270 mm.	186648
Post with a square base plate for roof ridges 270 x 270 mm, 20° incline.	186658
Post with a rectangular base plate for roof ridges 352 x 160 mm.	186668
Post with a base plate for roof ridges 350 x 370 mm.	186678

Height: 500mm

Model	Product Code
Post with a square base plate for roof ridges 270 x 270 mm.	186688
Post with a square base plate for roof ridges 270 x 270 mm, 20° incline.	186698
Post with a rectangular base plate for roof ridges 352 x 160 mm.	186708
Post with a base plate for roof ridges 350 x 370 mm.	186718

Height: 750mm

Model	Product Code
Post with a square base plate for roof ridges 270 x 270 mm.	186728
Post with a rectangular base plate for roof ridges 352 x 160 mm.	186738

Accessories

Model	Product Code
Counter plate for square base post 750mm	133295
Counter plate for square base post 250mm and 500mm	130995

For the calculation of these posts, please contact our Customer Service.

Interface posts for lifeline

Stainless steel anchor posts

Square base

Rectangular base

Base plate for roof ridges

Height: 250mm

Model	Product Code
Post with a square base plate 270 x 270 mm.	186808
Post with a rectangular base plate 352 x 160 mm.	186818
Post with a base plate for roof ridges 350 x 370 mm.	186828

Height: 500mm

Model	Product Code
Post with a square base plate 270 x 270 mm.	186838
Post with a rectangular base plate 352 x 160 mm.	186848
Post with a base plate for roof ridges 350 x 370 mm.	186858

For the calculation of these posts, please contact our Customer Service.

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.

Interface posts for lifeline

Hot roof post - For Travsmart and Travspring

Hot roof post - anchor post for warm roofs

Model	Product Code
End and corner post	218278
Intermediate post	218288
Intermediate post, PVC base	218298
End and corner post, PVC base	218308

Configure the number of posts according to site configuration. When top membrane is in PVC, the post with a PVC is required.

Bolting

Model	Product Code
Set of 4 x M10 concrete dowels	288447
M12 concrete dowel	288457
Set of 4 x M10 toggle bolts	288467
M12 Toggle bolt	288477

A kit of 4 bolts is required for each extremity or corner post. A kit of 1 bolt is required for each intermediate post.

Sealing rosette

Model	Product Code
Bitumen sealing rosette for intermediate post	288487
Bitumen sealing rosette for end and corner post	288497
PVC sealing rosette for intermediate post	288507
PVC sealing rosette for end and corner post	288517
EPDM sealing rosette for intermediate post	288527
EPDM sealing rosette for end and corner post	288537

Type of membrane depends on waterproofed top layer of the roof

Tools

Model	Product Code
Toggle bolt tool M12	288547
M10 socket wrench extension	288557
M12 socket wrench extension	288567
Hole saw Ø30mm	288577
Hole saw Ø44mm	288587
Quick-hitch arbor for hole saw Ø30mm	288597
Quick-hitch arbor for hole saw Ø44mm	288607

Travrail

Tested to stop the fall of

3 users, 100kg

EN 795-D

Travrail is a horizontal rigid anchor rail. It is designed to protect workers in the event of a fall, during tasks such as cleaning or maintenance work, checking an installation or safely entering a structure. It allows the slider to move freely over the intermediate anchors, enabling the user to move easily from one side of the rail to the other.

The rail makes it possible to secure 3 people (each weighing up to 100 kg including equipment and tools) at the same time (one person per slider).

The rail can also be used as an anchor point for Rope Access work (wall and floor applications only). In this case, each user must always be equipped with 2 sliders:

- 1 for the work rope
- 1 for the safety rope

The maximum distance between brackets of the aluminium rail is 6m (3m for rope access applications). 90° bends available for wall mounting and floor/ceiling mounting. The rail can be mounted on the floor, on the wall or overhead.

Travrail features:

- Detachable end stop for inserting or retrieving sliders
- Complies with EN 795-D
- Complies with CEN/TS 16415 for 3 simultaneous users
- To be used with EN 360 retractable fall arresters
- To be used with EN 353-2 guided type fall arresters with flexible anchor line
- To be used with EN 355 energy absorbers and decelerators
- To be used with EN 361 full body harnesses

Model	Product Code
Entry & exit for rail alu	233145
Special rail bending	223306
Rail aluminium 3000 mm	232665
External corner rail | aluminium	232685
Internal corner rail | aluminium	232695
Overhead corner rail | aluminium	232705
Connection rail | aluminium	232715
Fix end stop	232745
Removable end stop	232655
Bracket	232725
Expansion bracket	232785
Standard slider	232675
Slider for rope access | overhead	242485
Slider for rope access | wall	232795
Sign plate	233245
Drilling kit	232765
Rail trimming and finishing (factory)	223326

Example:
For 8 m of rail I order 3 rails of 3 m (3 x 232665) + shortening and finishing rail (223326).
2 rails of 3 m and 1 rail of 2 m are delivered.

**** Are not fall protection sliders, should never be used to connect fall protection.***

Standard slider

Slider rope-access (ceiling)*

Slider rope-access (wall)*

Stopcable S 150 kg

Vertical lifeline

EN353-1 - EN 353-2 - PPE-R/11.062

The use of a ladder to gain access to a high level workstation can pose an element of risk. The purpose of the Stopcable S 150 kg system is to ensure the safety of personnel throughout their ascent.

The Stopcable S 150 kg 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.

Norms :

- EN353-1
- EN 353-2
- PPE-R/11.062

Model	Product Code
Stopcable S 150 kg (fall arrester)	87042

Model	Product Code
Extremity KIT Stopcable 353-1 GALVA	288967
Extremity KIT Stopcable 353-2 GALVA	288997
Extremity KIT Stopcable 353-1 SS	289057
Extremity KIT Stopcable 353-2 SS	289257
Startkit cable Galva Stopcable	288947
1m of cable galva	281767
Startkit cable stainless steel Stopcable	288977
1m of cable stainless steel	281757
Galvanised anchor	17872
Stainless steel anchor	32902
Kit of anchor for side bar	87378
Stopcable SS JUMPER - U Bolt - Diameter 27 mm	18132
Stopcable SS JUMPER - U Bolt - Diameter 34 mm	18142
Tensioning device	261809
Cable guide	108857
Energy shock-absorber	90049
Counterweight	129445
Plate Stopcable - FR/EN/DE/IT/ES/NL	289007
Plate Stopcable - EN/SE/PT/FI/NO/PL	289247

For a specific configuration of a complete system, please contact our Customer Service.

NEW

Permanent safety ladders

FABA system

EN353-1

The FABA range is a fall arrest system on a rail for vertical movements. The vertical rails are separately available for mounting on an existing ladder or can be supplied with an integrated ladder. The FABA systems include accessories such as rest platforms or access blocking systems. They are built to be adapted to all types of supports. These products can be supplied in galvanized steel, stainless steel or aluminium.

FABA ladders are complete systems in which all components are aligned with each other. The rigid rail allows the user to better control the movement of the slider.Unlike cable systems, several people can climb up the ladder one after the other (with sufficient spacing). Ideal for use over long distances.

The products of the FABA range have been tested to meet the requirements of the European EN 353-1 standard. Areas of application: along towers, chimneys, tanks, bridge piers, masts, antenna supports, access to mines, pits, sludge lagoons, cat walks, dams, tank lorries, cranes, roof terraces, waste water systems, etc.

For more information please contact Tractel.

See our harnesses, especially dedicated and patented for being used with FABA ladders :

HT120

HT Easyclimb

FABA

Fall arresters on rail - (353-1 / 14122:4)

Since 1965, Tractel is offering vertical and horizontal access solutions (FABA systems) based on modular, robust designs.

FABA offers complete solutions and safety rails for safe access to your workplaces at height. A complete range of standard components guarantees a fall protection system according to EN 353-1. FABA fall arrest systems allow safe climbing on

fixed vertical ladders at any height and on horizontal access routes.

Area of application: Towers, fireplaces, pillars, lighting or antenna masts, pylons, chimneys.

FABA System AL2

The FABA AL2 System has been on the market since 2000. It is based on the principle of the FABA A12 System and is suitable for material in anodised aluminum. The design of the safety rail and sliders is asymmetrical and guarantees sliders are always used in the right direction.

- Dimensions rail profile (H-shaped): 48 x 65 x 3-6mm
- Material: Anodised aluminum
- Design: Ladder with a central upright or with additional side uprights or just rail
- Spacing in between stops: 70 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight, inserted and set on the back of the rail
- Ladder width: 414 mm
- Primary lengths: 5600 and 2800 mm
- Adjustment lengths: 560, 840, 1120, 1400, 1680, 1960, 2240, 2520, 3080, 3360, 3640, 3920, 4200, 4480, 4760, 5040 and 5320 mm
- Maximum distance between fixings: 1680 mm for the ladder with central upright, 2520 mm suitable for ladder with side uprights or the rail.

For more information please contact Tractel® .

FABA System A12

The FABA A12 System has been on the market since 1995. It is a logical evolution of the FABA A11 System but a lighter and smaller version. The design of the safety rail and carriages is asymmetrical and guarantees that the carriages are always used in the right direction.

- Dimensions rail profile: 48 x 32 x 3 mm
- Material: Hot-dipped galvanised steel or stainless steel (1.4571)
- Design: Ladder with central upright or just rail
- Spacing in between stops: 40 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight and welded on the back of the rail
- Width of the ladder: 380 mm
- Primary lengths: 5600 and 2800 mm
- Adjustment lengths: 560, 840, 1120, 1400, 1680, 1960, 2240, 2520, 3080, 3360, 3640, 3920, 4200, 4480, 4760, 5040 and 5320 mm
- Maximum distance between fixings: 1400 mm for the ladder and 1960 mm for the rail.

FABA A12 & AL2

Sliders

The slider is mobile component of the FABA system and is attached to the user with a carabiner. All FABA sliders are certified to the latest applicable standard (EN353-1) and comply with the European Regulation 2016/425 (PPE Regulation) with a maximum user weight of 150kg.

The following sliders are compatible with the FABA system A12 and AL2:

- AL-D
- Grip
- EZ

Each slider is designed for different uses according to the user needs and the following table is aimed at guiding the user's choice.

The safety rail of FABA is C-shaped rail and the sliders are gliding inside the rail. This offers the advantage of compacity of the system and increase the comfort of use as the rail and slider take less place in front of the user.

	AL-D	Grip	EZ
Frequency of use			
Occasional	V	-	V
Daily	-	V	V
Application			
Industrial use	V	-	-
Rescuer	-	-	V
Extensive climbing height	-	V	-
Confined access	V	-	V
Features			
Insertable and retrievable and at any location	-	-	V
Anti-reversibility	V	V	V
Compatibility			
A12	V	V	V
AL2	V	V	V
Connector			
Manual locking (M10)	V	-	V
Automatic tri-lock (M23)	V	V	V

AL-D

Grip

EZ

FABA

Sliders

FABA EZ 150kg

FABA EZ, simply said "easy"

- The biggest advantage and differentiator of this slider is its possibility to be inserted and retrieved at any place of a rail or a ladder,
- Thanks to its unique design, you insert or retrieve it with only one hand,
- Developed and compatible with FABA A12 & AL2,
- Introduction is only possible in the correct direction thanks to asymmetric profile,
- Robust and self mechanical locking system,
- Inside sliding,
- Good gliding,
- Available with manual (M10) or trilock connector (M23),
- User up to 150kg

Model	Product Code
FABA™ EZ 150kg M23	513878
FABA™ EZ 150kg M10	513888

FABA AL-D 150kg

The slider FABA AL-D 150kg is conform to the latest applicable standard EN 353-1 and to the European Regulation 2016/425 and is certified for a user weighing up to 150kg.

The slider is certified and compatible with the rail and ladder of FABA A12 galvanized steel or stainless steel and the rail and ladder of FABA AL2 and its related products, the FABA AL2 Mobil and the FABA AL2 Mobil-F.

This rigid vertical fall arrester is tested to stop the fall of one operator, with its tools and equipment, weighing up to 150 kg. It enables several operators to work in safety (each operator having his own FABA AL-D slider) if there are no more than two operators within 10m and at least 3m between them.

In order to provide protection for the user up to the maximum allowed weight, all the products of the system must be HIGH CAPACITY RANGE 150 KG (***Please note:*** *The component with the lowest capacity always determines the maximum capacity of the entire fall arrest system.*).

Model		Product Code
FABA AL-D - M10		514008
FABA AL-D - M23	N	514018

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 6. Maximum quantities apply for this service.

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

FABA

Sliders

FABA Grip 150kg

The slider FABA Grip 150kg is conform to the latest applicable standard EN 353-1 and to the European Regulation 2016/425 and is certified for a user weighing up to 150kg.

The slider is certified and compatible with the rail and ladder of FABA A12 galvanized steel or stainless steel and the rail and ladder of FABA AL2 and its related products, the FABA AL2 Mobil and the FABA AL2 Mobil-F.

This rigid vertical fall arrester is tested to stop the fall of one operator, with its tools and equipment, weighing up to 150 kg. It enables several operators to work in safety (each operator having his own FABA Grip slider) if there are no more than two operators within 10m and at least 3m between them.

In order to provide protection for the user up to the maximum allowed weight, all the products of the system must be HIGH CAPACITY RANGE 150 KG (PLEASE NOTE: The component with the lowest capacity always determines the maximum capacity of the entire fall arrest system.).

Model	Product Code
FABA™ Grip	514408

Harness HT120

EN361

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

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

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

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

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

	S	M	XL
HT120 - Standard Buckles	61702	61712	61722

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 6. Maximum quantities apply for this service.

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

FABA A12 ladder with fall arrest rail

(353-1 / 14122-4)

Hot-dip galvanised steel version

Model	Length (cm)	Weight (kg)	Product Code
560 mm	560 mm	2,5	501237
840 mm	840 mm	4,05	501257
1120 mm	1120 mm	5,4	501297
1400 mm	1400 mm	6,7	501317
1680 mm	1680 mm	8	501337
1960 mm	1960 mm	8,5	501367
2240 mm	2240 mm	10,8	501387
2520 mm	2520 mm	12,15	501407
2800 mm	2800 mm	13,5	501427
3080 mm	3080 mm	14,8	501447
3360 mm	3360 mm	16,2	501467
3640 mm	3640 mm	17,55	501487
3920 mm	3920 mm	18,9	501507
4200 mm	4200 mm	20,25	501527
4480 mm	4480 mm	21,6	501547
4760 mm	4760 mm	22,9	501567
5040 mm	5040 mm	24,3	501587
5320 mm	5320 mm	26,1	501607
5600 mm	5600 mm	27	501627

Stainless steel version

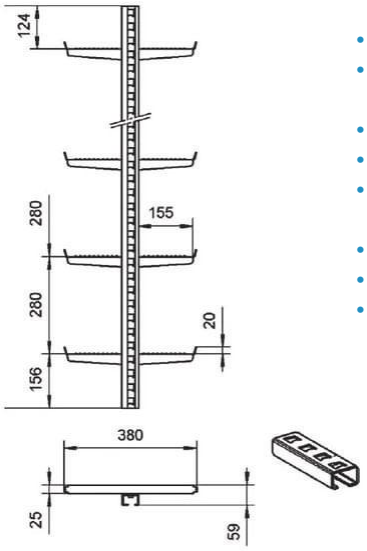
Model	Length (cm)	Weight (kg)	Product Code
560 mm	560 mm	2,7	501247
840 mm	840 mm	4	501267
1120 mm	1120 mm	5,4	501307
1400 mm	1400 mm	6,75	501327
1680 mm	1680 mm	8	501357
1960 mm	1960 mm	8,5	501377
2240 mm	2240 mm	10,8	501397
2520 mm	2520 mm	12,1	501417
2800 mm	2800 mm	13,5	501437
3080 mm	3080 mm	14,8	501457
3360 mm	3360 mm	16.2	501477
3640 mm	3640 mm	17,5	501497
3920 mm	3920 mm	18,9	501517
4200 mm	4200 mm	20,2	501537
4480 mm	4480 mm	21,7	501557
4760 mm	4760 mm	24	501577
5040 mm	5040 mm	24,3	501597
5320 mm	5320 mm	24	501617
5600 mm	5600 mm	27	501637

Ladder with release facility

Model	Length (cm)	Weight (kg)	Product Code
Hot-dip galvanised	1680 mm	8.1	501288

Ladder with release facility

Model	Length (cm)	Weight (kg)	Product Code
Stainless steel	1680 mm	8.1	501298



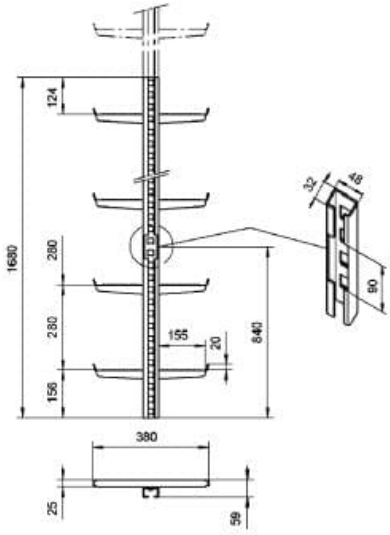
FABA A12 ladder with fall arrest rail.

- Available in various lengths from 560 to 5,600 mm.
- Recommended length up to **2,800mm** for transport optimisation and ease of installation.
- Distance between rungs 280 mm.
- Catching cut-outs in fall arrest rail every 40 mm.
- Rungs with anti-slip surface and 20 mm high lateral safety catch.
- Rungs 155 mm wide on each side.
- Material: Hot-dip galvanised steel or stainless steel
- Standard: EN 353-1, BGV D36, DIN 18799-2

Ladder with release facility

The ladder with release facility enables the comfortable insertion and retrieval of the FABA™ slider at the lower end of the ladder.

The installation of a detachable catch above the release is mandatory to prevent any unvoluntary retrieval of the slider.



FABA A12 fall arrest rail

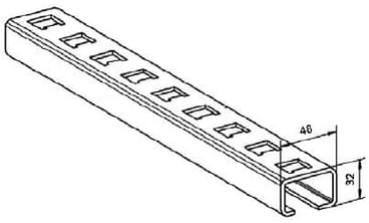
(353-1 / 14122-4)

A12 fall arrest rail - hot-dip galvanised steel.

Model	Length (cm)	Product Code
560 mm	560 mm	502845
840 mm	840 mm	500038
1120 mm	1120 mm	502855
1400 mm	1400 mm	502865
1680 mm	1680 mm	502875
1960 mm	1960 mm	500048
2240 mm	2240 mm	502885
2520 mm	2520 mm	500058
2800 mm	2800 mm	502895
3080 mm	3080 mm	500068
3360 mm	3360 mm	500078
3640 mm	3640 mm	500088
3920 mm	3920 mm	500098
4200 mm	4200 mm	500108
4480 mm	4480 mm	500118
4760 mm	4760 mm	500128
5040 mm	5040 mm	500138
5320 mm	5320 mm	500148
5600 mm	5600 mm	500158

A12 fall arrest rail - Stainless steel

Model	Length (cm)	Product Code
560 mm	560 mm	502905
840 mm	840 mm	502915
1120 mm	1120 mm	502925
1400 mm	1400 mm	502935
1680 mm	1680 mm	502945
1960 mm	1960 mm	502955
2240 mm	2240 mm	502965
2520 mm	2520 mm	502975
2800 mm	2800 mm	502985
3080 mm	3080 mm	502995
3360 mm	3360 mm	503005
3640 mm	3640 mm	503015
3920 mm	3920 mm	503025
4200 mm	4200 mm	503035
4480 mm	4480 mm	503045
4760 mm	4760 mm	503055
5040 mm	5040 mm	503065
5320 mm	5320 mm	500168
5600 mm	5600 mm	503075



FABA A12 fall arrest rail.

- Available in various lengths from 560 to 5,600 mm. Recommended length up to 2,800mm for transport optimisation.
- Catching cut-outs in fall arrest rail every 40 mm.
- Material: Hot-dip galvanised steel or stainless steel
- Standard: EN 353-1, BGV D36, DIN 18799-2.

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 6. Maximum quantities apply for this service.

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

FABA A12

Components

Joint connector

Joint connector between FABA™ A12 ladders or rails.

Materials: Galvanised steel or stainless steel.

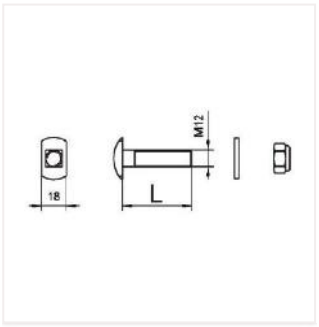
Includes set of 2 FABA™ A12 screws.

Model	Product Code
Galvanised	508117
Stainless steel	508137

Mounting screws

FABA T-bolt kit made specifically for fixing the FABA™ A12 rail to the different brackets.

- Each kit includes 1 screw with nut and washer.
- Lengths of M12 x 35 mm, x 50 mm and x 65 mm.
- Materials: Stainless steel.



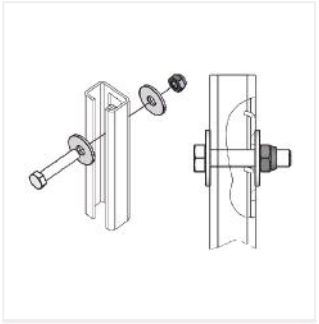
Model	Product Code
M12 x 35 mm	508107
M12 x 50 mm	516137
M12 x 65 mm	516147

Catch

Catches must be installed on all the entry and exit points of the rails in order to prevent unwanted exiting of a FABA™ slider.

2 types of catch exit:

- Detachable catches must be installed in those locations where the carriage is to be removed.
  The catch must be manually unlocked and then automatically closes (spring)
- Permanent catches must be installed in those locations where the carriage is not to be removed.



Model	Product Code
Detachable catch	517185
Permanent catch	508067

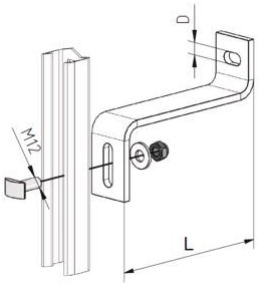
Order products on day 1, will be shipped no later than day 2,

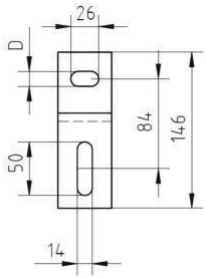
Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

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

FABA A12

Brackets for ladder and rail



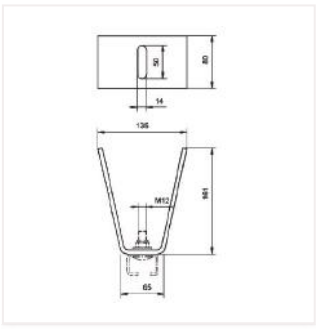


Z bracket

Z bracket for fixing the FABA™ ladder to a sturdy structure.

- Available with holes for wall fixing: Ø = 10.5 mm and Ø = 14 mm.
- Supplied with1x M12 x 35mm screw kit.
- Fixing anchors not included.
- Materials: Galvanised steel or stainless steel.

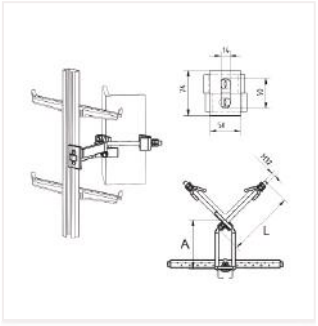
Model	Length (mm)	Material	Product Code
Z bracket Ø10.5mm	161 mm	Galvanised steel	508087
Z bracket Ø10.5mm	200 mm	Galvanised steel	527947
Z bracket Ø10.5mm	250 mm	Galvanised steel	520525
Z bracket Ø14mm	161 mm	Galvanised steel	503418
Z bracket Ø14mm	200 mm	Galvanised steel	527957
Z bracket Ø14mm	250 mm	Galvanised steel	527095
Z bracket Ø10.5 mm	161 mm	Stainless steel 316	503428
Z bracket Ø14mm	161 mm	Stainless steel 316	503438



U bracket for welding

For welding on steel structure by certified welder. Protected against corrosion after welding.
Lengths between 161 and 300mm must be specified at the order
Mounting screws must be ordered separately.

Model	Length (mm)	Product Code
Steel, untreated	160	505455
Steel with welding primer	160	503318
Stainless steel, untreated	160	503308
Hot-dip galvanised steel	160	523767



Bracket for corner profile

- Fastening of the FABA™ ladder to a corner profile (e.g. a steel lattice mast).
- Select the corresponding bracket according to the dimension of the corner profile.
- For corner profiles between 60 x 60mm up to 250 x 250 mm
- Supplied with 1x screw kit M12 x 35mm.

Corner profile length L (cm)	A=70 mm Code	A=130 mm Code	A=160 mm Code
60 - 130 mm	529067	503648	513388
130 - 200 mm	529077	503658	513398
200 - 250 mm	529087	503668	513408

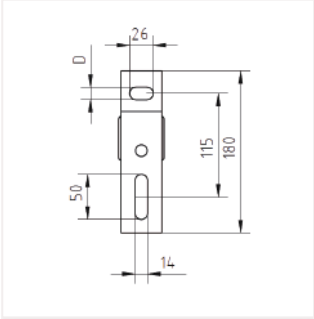
FABA A12

Square tube bracket

Square tube bracket

The square tube bracket is designed for installation of the FABA™ ladder to a masonry structure.

- Available with holes for wall fixing: Ø = 10.5 mm and Ø = 14 mm.
- Supplied with 1x screw kit M12 x 35mm.
- Fixing anchors not included.
- Materials: Galvanised steel or stainless steel.

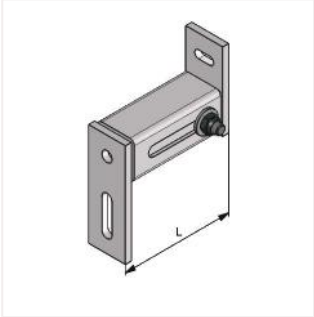


Model	Ø fixing hole	Length	Material	Product Code
Square tube bracket	Ø 10,5 mm	161 mm	Galvanised steel	503558
Square tube bracket	Ø 14 mm	161 mm	Galvanised steel	503538
Square tube bracket	Ø 10,5 mm	161 mm	Stainless steel 316	503568
Square tube bracket	Ø 14 mm	161 mm	Stainless steel 316	503548
Square tube bracket	Ø 10,5 mm	200 mm	Galvanised steel	527967
Square tube bracket	Ø 14 mm	200 mm	Galvanised steel	527977

Adjustable square tube brackets

This adjustable bracket should be used when the distance between the ladder/rail and structure is not constant.

- Available with holes for wall fixing: Ø = 10.5 mm
- Supplied with 1x screw kit M12 x 35mm.
- Fixing anchors not included.
- Materials: Galvanised steel or stainless steel.



Model	Length	Material	Product Code
Ajustable square bracket	140 - 210 mm	Hot-Dip Galvanised Steel	272817
Ajustable square bracket	140 - 210 mm	Stainless steel 316	272827

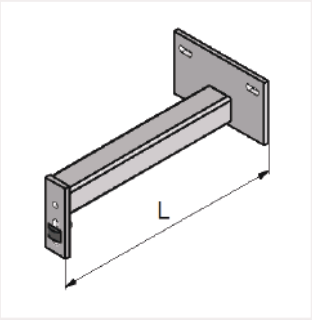
Order products on day 1, will be shipped no later than day 2,

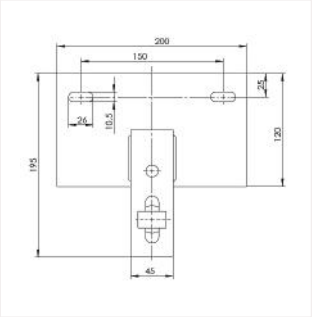
Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

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

FABA A12

Bracket for low resistance structure



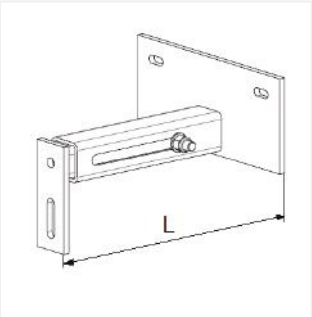


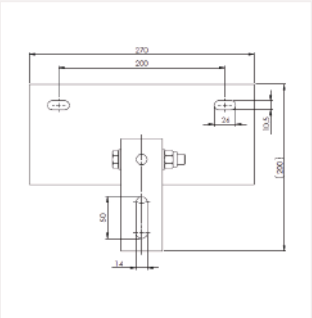
Bracket for low resistance structure

This bracket is designed for installation of the FABA™ ladder against brickwall. The design ensure a repartition of the forces transmitted to the supporting structure.

- Available with holes for wall fixing: Ø = 10.5 mm.
- Supplied with 1x screw kit M12 x 35mm.
- Fixing anchors not included.
- Materials: Galvanised steel or stainless steel.

Model	Length	Material	Product Code
Bracket low resistance structure	161 mm	Hot-Dip Galvanised Steel	272797
Bracket low resistance structure	161 mm	Stainless steel 316	272807
Bracket low resistance structure	500 mm	Hot-Dip Galvanised Steel	525567





Adjustable bracket for low resistance structure

This adjustable bracket is designed for installation of the FABA™ ladder against brickwall. The design ensure a repartition of the forces transmitted to the supporting structure. This adjustable bracket should be used when the distance between the ladder/rail and structure is not constant.

- Available with holes for wall fixing: Ø = 10.5 mm.
- Supplied with 1x screw kit M12 x 35mm.
- Fixing anchors not included.
- Materials: Galvanised steel or stainless steel.

Model	Length	Material	Product Code
Adjustable bracket low resistance structure	140 - 210 mm	Hot-Dip Galvanised Steel	272847
Adjustable bracket low resistance structure	260 - 390 mm	Hot-Dip Galvanised Steel	272867

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

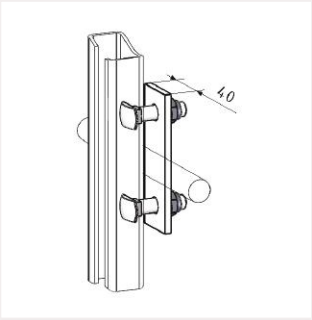
Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

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

FABA A12

Brackets for rail only for installation on rungs of existing ladders

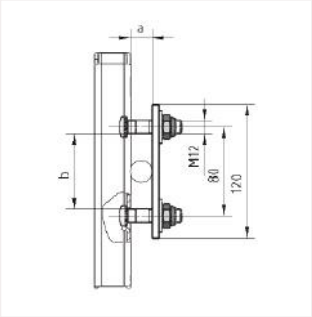
Central bracket on round or rectangular rungs



Bracket for installation of the FABA™ A12 rail on the centre of existing round, rectangular or square rungs.
Minimum width of the rungs: 350mm

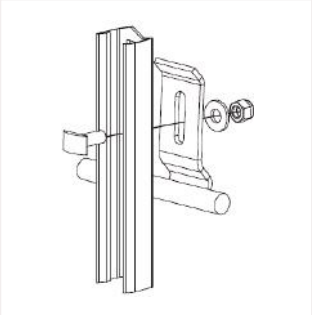
- Fastening of the FABA™ rail.
- This bracket is suitable for a wide range of different rungs.
  - On round rungs: for a diameter between Ø16mm and Ø40mm
  - On square or rectangular: from 16x16 to 40x65mm

[1] Supplied with 1x screw kit M12 x 50mm.
[2] Supplied with 1x screw kit M12 x 65mm.



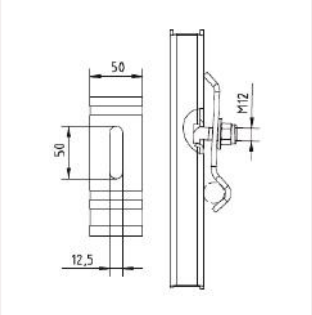
Model	Product Code
Galvanised 16-25mm 1)	503398
Galvanised 25-40mm 2)	503408
Stainless steel 16-25mm 1)	508817
Stainless steel 25-40mm 2)	508827

Central bracket on round rungs



Bracket for installation of the FABA™ A12 rail on the centre of existing round rungs, step irons for example.
Minimum width of the rungs: 350mm

- Fastening of the FABA™ rail.
- The bracket is only suitable for round rungs with a diameter between Ø15 and Ø27 mm.
- Supplied with 1x screw kit M12 x 35mm.



Model	Product Code
Galvanised	508327
Stainless Steel	503528

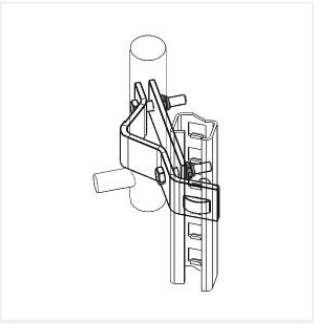
Order products on day 1, will be shipped no later than day 2,

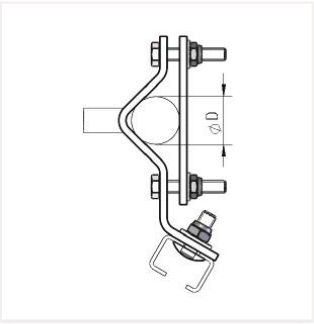
Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

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

FABA A12

Brackets for rail for installation on side bars of existing ladders



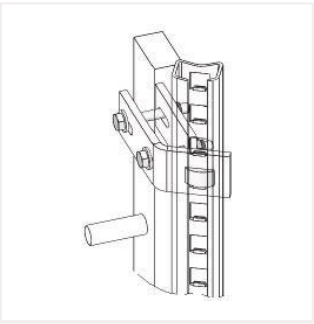


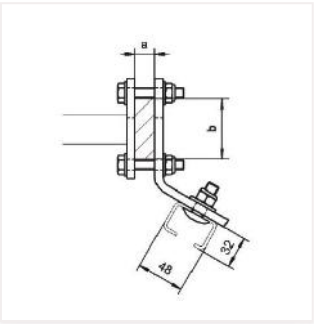
Installation on round side bars

Bracket for the installation of FABA™ rail on the side profile (which must be round) of an existing ladder.

- Brackets for anchoring FABA™ A12 fall arrest rails.
- Dimensions: 3 different models are available for a diameter between 25mm and 80mm.
- Materials: Galvanised steel and stainless steel.
- Supplied with 1x M12 x 35mm screw kit.

Model	Product Code
Lateral bracket on round side bars, galvanised, Ø25-33mm	503368
Lateral bracket on round side bars, galvanised, Ø34-55mm	504008
Lateral bracket on round side bars, galvanised, Ø56-80mm	508637
Lateral bracket on round side bars, stainless steel, Ø34-55mm	504018
Lateral bracket on round side bars, stainless steel, Ø56-80mm	508647





Installation on rectangular side bars

- Brackets for anchoring FABA™ A12 fall arrest rails.
- Dimensions: 6 different models are available.
- Materials: Galvanised steel and stainless steel.
- Supplied with 1x M12 x 35mm screw kit.

Each bracket is designed to fit a different side bar size. Dimenions a and b must be checked on the existing ladder to select the corresponding bracket.

Side rail dimension (cm) a	b = 40-60mm Code Galva	b = 40-60mm Code Stainless steel	b = 61 - 80 mm Code Galva	b = 61 - 80 mm Code Stainless steel	b=81-100mm Code Galva
6 - 20 mm	503888	503948	503918	503978	513938
21 - 30 mm	503898	503958	503928	503988	513948
31 - 50 mm	503908	503968	503938	503998	513958

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 6. Maximum quantities apply for this service.

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

FABA A12

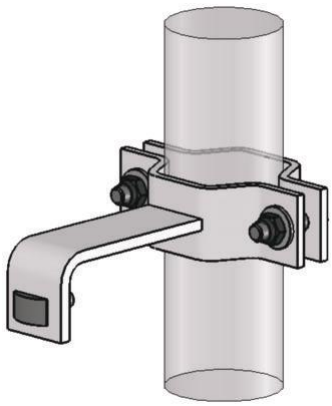
Brackets

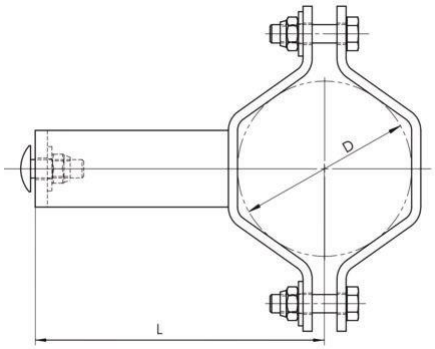
Bracket for mast

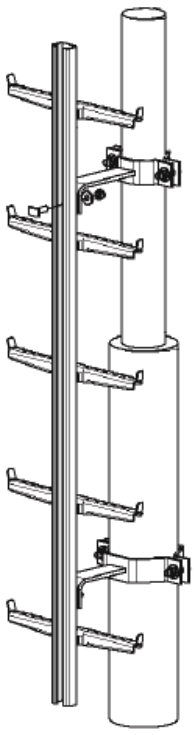
Bracket for FABA™ A12 on mast by means of clamps.

- Composed of two elements:
  - CLAMPS with different diameters D,
  - ARMS of different lengths L (centre of the mast to the back of the rail).
- Including 1 mounting kit M12x35mm
- The length L is always given by the lower diameter of the mast used. This dimension L is decisive for the choice of the other anchorages to be used in the same dimension L of the system.
- Material: Galvanised steel.

Mast diameter (mm)	L: distance between the center of the mast and the ladder (mm)									
	184	190	203	213	217	230	243	255	269	312
Ø 80				506575	506585					
Ø 88.9	503678	506595	506605	506615	506625	506635	503688	506645		
Ø 101.6		503698	506655	506665	506675	506685	506695	506705		
Ø 114.3			506715	503708	506725	503718	503728	503738	506735	
Ø 139.7				503748	506745	503758	503768	503778	503788	
Ø 159					506755	506765	506775	506785	506795	
Ø 168.3						503798	503808	503818	506805	528027
Ø 193.7							503828	506815	506825	
Ø 219.1								503838	506835	528037
Ø 273									272897	272907
Ø 323.9									521507	528007







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 6. Maximum quantities apply for this service.

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

FABA A12

Rest platform

Resting platform for ladder

The resting platforms are placed every 12 m or dependent on the building and local standard or law

The device can be folded down to ease passage and has two platforms, each 130 x 300 mm

For FABA A12 ladder systems.

- Distance between rungs min. 280 mm.
- Boltings included. The resting platform is bolted onto the rail, no fastening to the surface is required.

For FABA A12 rail systems :

- For manhole steps in which the FABA™ climbing protection rail has been centrally mounted on the step irons.
- Distance between step irons min. 333 mm.
- For distances between the step irons of 333 mm, the free space on the platform is restricted to 110 mm.
  There are no restrictions for 400 mm distances.
- Boltings included.The resting platform is bolted onto the rail, no fastening to the surface is required.

Materials: Galvanised steel and stainless steel.

Model	Product Code
Galvanised steel - Ladder	242095
Stainless steel - Ladder	242135
Galvanised steel - Rail	242255
Stainless steel - Rail	242275

Resting platform for rail

Resting plaftorm for rails :

- For manhole steps in which the FABA™ climbing protection rail has been centrally mounted on the step irons.
- Distance between step irons min. 333 mm.
- For distances between the step irons of 333 mm, the free space on the platform is restricted to 110 mm.
  There are no restrictions for 400 mm distances.
- The resting platform is bolted onto the climbing protection rail, no fastening to the surface is required.
- The resting platforms are placed every 12 m or dependent on the building and local standard or law.

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.

FABA A12

Step-overs

Straight step-over

The straight step-over ensures the safety until complete disembarcation as the slider remains connected and allow the user to secure themselves before disconnecting the slider:

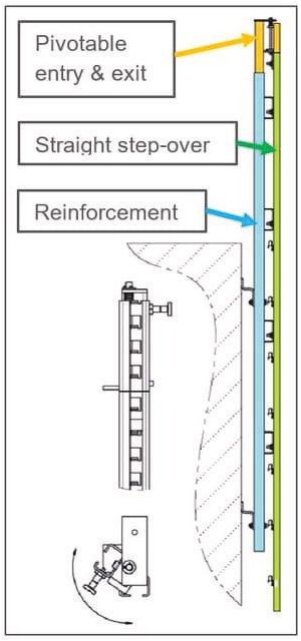
- Only to be installed on the upper section of an installation.
- Total ladder length 2800 mm, landing height 964 mm.
- Number of rungs: 7.
- Materials: galvanised or stainless steel.

It must include for a ladder installation:

- the ladder extension,
- the reinforcing rail,
- the pivoting entry/exit

and for a rail installation (please ensure that the fall arrest rail is long enough to receive the straight step-over):

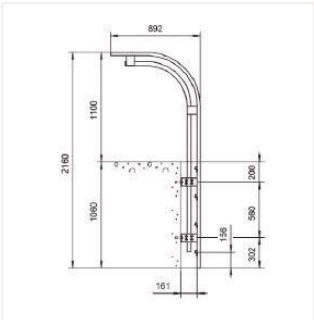
- the reinforcing rail,
- the pivoting entry/exit



Model	Type	Material	Exit direction	Product Code
Kit Straight step-over	Ladder	Galvanised steel	Right	272407
Kit Straight step-over	Ladder	Hot-Dip Galvanised Steel	Left	272417
Kit Straight step-over	Rail	Galvanised steel	Right	272917
Kit Straight step-over	Rail	Hot-Dip Galvanised Steel	Left	272927
Straight step-over	Ladder	Stainless steel 316	-	500388
Reinforcement	Ladder	Stainless steel 316	-	530347
Pivoting entry/exit	Ladder	Stainless steel 316	Left	530227
Pivoting entry/exit	Ladder	Stainless steel 316	Right	530247
Reinforcement	Rail	Stainless steel 316	-	530367
Pivoting entry/exit	Rail	Stainless steel 316	Left	530267
Pivoting entry/exit	Rail	Stainless steel 316	Right	530287
Reinforcement	Ladder	Galvanised steel	-	530337
Reinforcement	Rail	Galvanised steel	-	530357

Curved step-over

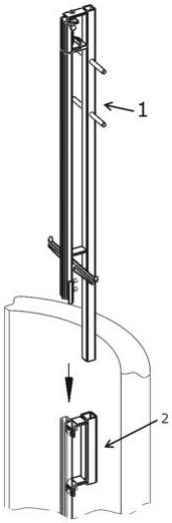
- The curved entry / exit is located at the top of the ladder or fall arrest ladder or rail.
- It facilitates the passage from the ladder to the deck or access.
- Recedes 892 mm into a safe access zone.
- Available for FABA A12 ladder or rail systems.
- Materials: Galvanised steel and stainless steel.



Model	Construction material	Product Code
Galvanised, for ladder, Ø10.5mm	Hot-Dip Galvanised Steel	503468
Galvanised, for ladder, Ø14mm	Hot-Dip Galvanised Steel	525427
Stainless steel, for ladder, Ø10.5mm	Stainless steel 316	503478
Stainless steel, for ladder, Ø14mm	Stainless steel 316	525417
Galvanised, for rail, Ø10.5mm	Hot-Dip Galvanised Steel	503488
Stainless steel, for rail, Ø10.5mm	Stainless steel 316	508237

FABA A12

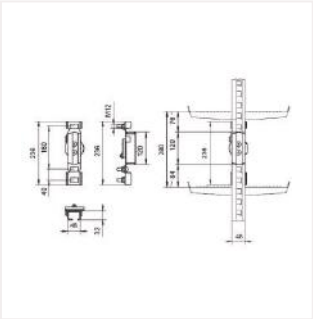
Components



Confined Access Accessory

Specially designed for confined access or covered climbing facilities with FABA™ climbing protection A12.
In order to enter a confined access while maintaining an ergonomic, upright body posture, the entry aid is placed on the existing A12 climbing protection system and removed after the work has been completed.
The user is therefore able to secure him/herself while still standing beside the opening to the confined space.
This system may only be used in conjunction with a fixed connection to the climbing protection ladder.

Model	Product Code
Coupling for entry aid	507175
Portable entry aid	507155
Stainless steel bracket	503578



90° pivoting entry-exit section

The entry and exit section allows the comfortable insertion and extraction of the FABA™ carriage and must be installed at every position of the climbing facility that is intended to ensure safe release from the climbing protection system (e.g. work platforms).
It should be installed approx. 1000 mm above the standing level.
After its unlocking, the central piece can rotate by 90° and the slider exit laterally.
Vertical movement is blocked while the central piece is turned.
The central piece is locked automatically in the vertical position.
Included in the scope of delivery: 3x mounting screws M12x35mm

Model	Product Code
Galvanised	503498
Stainless steel	503508

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 6. Maximum quantities apply for this service.

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

FABA A12

Security against unauthorized ascent (optional)

Access restriction

The purpose of the access restriction is protecting FABA A12 ladders from unauthorised use.

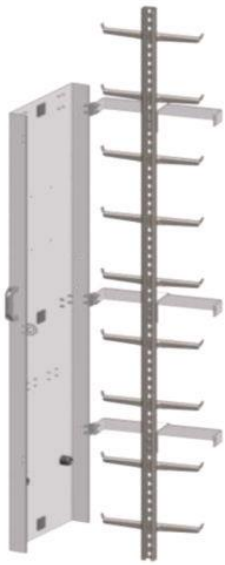
There are several options depending on the need or location of the system:

- Cover plate
- Safety door cover
- Butterfly door
- Foldable aluminium ladder for FABA ladder

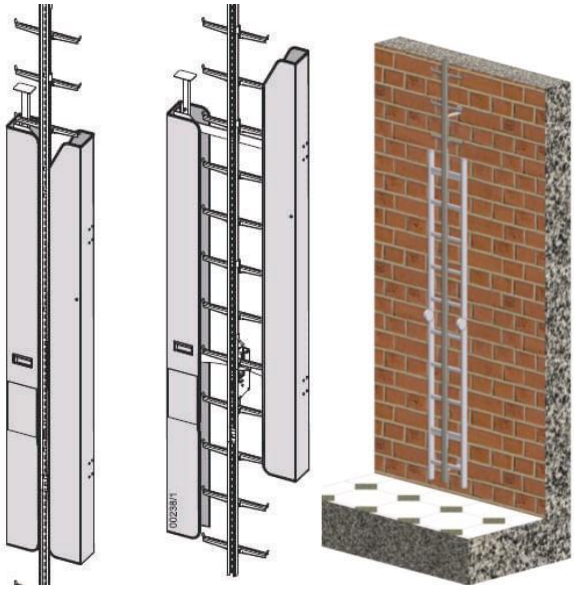
The last option must combine the rail with mounting hook and the aluminium ladder.

Model	Product Code
Galvanised steel cover plate	209138
Galvanised steel safety door cover	209148
Aluminium foldable ladder	501705
Galvanized rail with mounting hook for foldable ladder	503638
Stainless steel rail with mounting hook for foldable ladder	508577

Steel cover plate



Steel safety door cover



Aluminium butterfly door

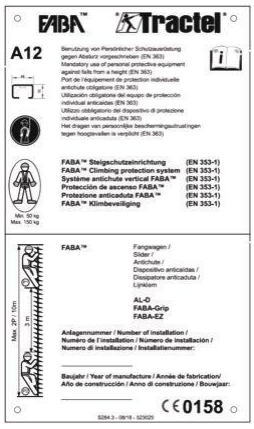
Foldable ladder

Sign plate

The sign plate is mandatory comonent of any fall protection system.
It must be installed near the access of the system.
It includes the installation reference, the compatible sliders and the year of installation.

Material: aluminium

Model	Product Code
Sign plate	523897



Temporary safety ladders

FABA System AL2 MOBIL

The FABA AL2 Mobil system
Safety ladder for temporary use on various structure types. The fasteners that accommodate the ladder are permanently fixed. In the standard version, wall and post clamp brackets are supplied for the posts.

Features FABA AL2 Mobil:
- Dimensions rail profil (H-shaped): 48 x 65 x 3-6mm
- Material: Anodised aluminum
- Design: Ladder with a central upright or with additional side upright
- Spacing in beetween stops: 70 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight, inserted and set on the back of the rail
- Ladder width: 414 mm

Delivery Tractel:
- Supplied in managable lengths of: 2800, 2520, 2240, 1960 and 1680 mm

FABA System AL2 MOBIL-F

The FABA AL2 MOBIL-F system
Designed for access to posts or masts with a circular cross-section. The fasteners are pre-installed on the ladder sections and provided with fastening straps to enable the ladder sections to be tightened and positioned directly on the post or mast.

Features FABA AL2 MOBIL-F:
- Dimensions rail profil (H-shaped): 48 x 65 x 3-6mm
- Material: Anodised aluminum
- Design: Ladder with a central upright or with additional side upright
- Spacing in beetween 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 special applications, 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 6. Maximum quantities apply for this service.

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

FABA

Fall arresters on rail - (353-1 / 14122:4)

Since 1965, Tractel is offering vertical and horizontal access solutions (FABA systems) based on modular, robust designs.

FABA offers complete solutions and safety rails for safe access to your workplaces at height. A complete range of standard components guarantees a fall protection system according to EN 353-1. FABA fall arrest systems allow safe climbing on

fixed vertical ladders at any height and on horizontal access routes.

Area of application: Towers, fireplaces, pillars, lighting or antenna masts, pylons, chimneys.

FABA System A11

Introduced in 1965, the FABA A11 System is the precursor to the vertical access safety devices. The safety rail and slider designs are symmetrical. The slider can be inserted in either direction in the safety rail.

- Rail profile dimension: 68 x 56 x 2.8mm
- Material: Hot-dipped galvanised steel or stainless steel (1.4571)
- 3 versions of the FABA A11 exist:
  - Ladder with central rail,
  - Ladder with side bars,
  - Central rail or just a rail.
- Distance catching stops: 140 mm
- Distance between rungs: 280 mm
- Rungs: Inclined forward and welded on the back of the rail.
- Ladder width: 408 mm
- Primary Length: 2800 mm
- Maximum distance between fixings: 1960 mm

FABA A11 is particularly well suited for installation on round manhole. The bent rungs (20°) help to reduce the required space for the installation of the ladder and offer more place to the user.

On request, customer made solutions can be designed to fit perfectly to the installation site.

For more information please contact Tractel.

FABA A11 ladder with fall arrest rail

(EN353-1 / 14122-4)

Hot-dip galvanised steel version

Number of rungs	Length (cm)	Weight (kg)	Product Code
2	560	4.8	501398
3	840	7.3	502357
4	1120	9.8	502367
5	1400	12.3	501438
6	1680	14.7	501458
7	1960	17.2	501478
8	2240	19.7	501498
9	2520	22.1	502377
10	2800	24.5	502387

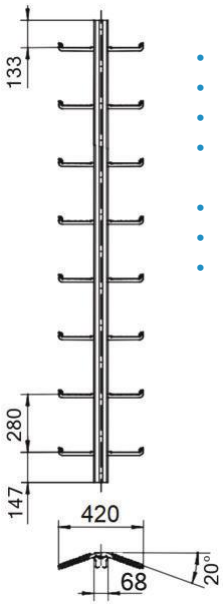
Stainless steel version

Number of rungs	Length (cm)	Weight (kg)	Product Code
3	840	7.3	501418
4	1120	9.8	501428
5	1400	12.3	501448
6	1680	14.7	501468
7	1960	17.2	501488
8	2240	19.7	501508
9	2520	19.7	501518
10	2800	24.5	501528

Ladder with release facility

Model	Length (mm)	Weight (kg)	Product Code
Hot dip galvanised	1680 mm	14.3	501638

Model	Length (mm)	Weight (kg)	Product Code
Stainless steel	1680 mm	14.3	501658



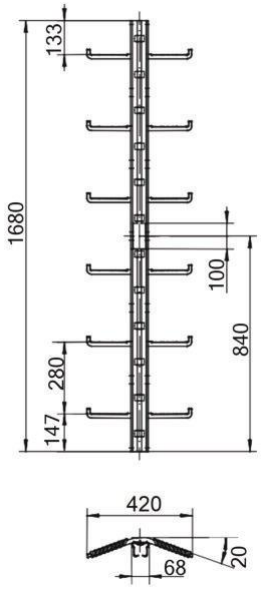
FABA A11 ladder with fall arrest rail.

- Available in various lengths from 840 to 2800 mm.
- Distance between rungs 280 mm.
- Catching cut-outs in fall arrest rail every 140 mm.
- The rungs are forged from solid steel and welded to the back of the rail. They have a profiled tread and 20 mm high slip-off pins
- Rungs 170 mm wide on each side bent at 20°
- Material: Hot-dip galvanised steel or stainless steel
- Standard: EN 353-1, BGV D36, DIN 18799-2

Ladder with release facility

The ladder with release facility enables the comfortable insertion and retrieval of the FABA slider at the lower end of the ladder.

The installation of a detachable catch above the release is mandatory to prevent any unvoluntary retrieval of the 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 6. Maximum quantities apply for this service.

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

FABA A11 ladder with side bars and fall arrest rail

(EN353-1 / 14122-4)

Hot-dip galvanised steel version

Number of rungs	Length (mm)	Weight (kg)	Product Code
4	1120	12.4	501718
5	1400	15.5	501738
6	1680	18.6	501758
7	1960	21.7	501798
10	2800	31.1	501858

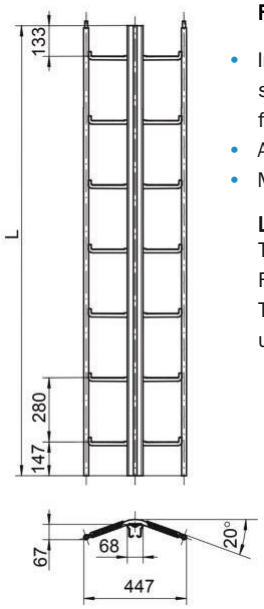
Stainless steel version

Number of rungs	Length (mm)	Weight (kg)	Product Code
4	1120	12.4	501728
5	1400	15.5	501748
6	1680	18.6	501778
7	1960	21.7	501808
10	2800	31.1	501868

Ladder with side bars and release facility

Model	Length (mm)	Weight (kg)	Product Code
Hot dip galvanised	1680	18.6	512918

Model	Length (mm)	Weight (kg)	Product Code
Stainless steel	1680	18.6	512928



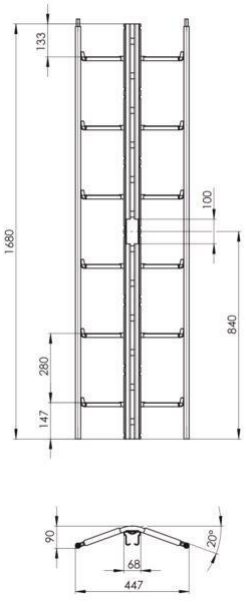
FABA A11 with side bars and fall arrest rail

- In addition to the all specifications of the standard FABA A11 ladder, the version includes sidebars. This version is recommended when the rungs cannot be used as climbing aids for the hands.
- Available in various lengths from 1120 to 2800 mm.
- Material: Hot-dip galvanised steel or stainless steel

Ladder with release facility

The ladder with release facility enables the comfortable insertion and retrieval of the FABA slider at the lower end of the ladder.

The installation of a detachable catch above the release is mandatory to prevent any unvoluntary retrieval of the 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 6. Maximum quantities apply for this service.

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

FABA A11 fall arrest rail

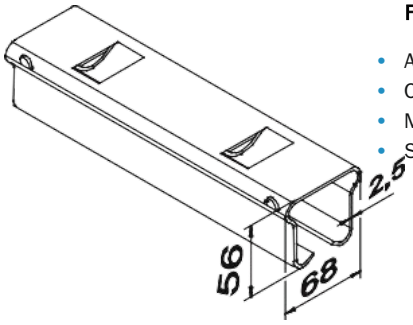
(353-1 / 14122-4)

Rail made in hot-dip galvanised steel.

Model	Length (mm)	Weight (kg)	Product Code
4	1120	4.3	500198
5	1400	5.3	500208
6	1680	6.4	500218
7	1960	7.5	500228
10	2800	10.8	503335

Rail made in stainless steel

Model	Length (mm)	Weight (kg)	Product Code
3	840		500278
4	1120	4.3	500288
5	1400	5.3	500298
6	1680	6.4	500308
7	1960	7.5	500318
10	2800	10.8	500348



FABA A11 fall arrest rail.

- Available in various lengths from 1120 to 2800 mm. .
- Catching cut-outs in fall arrest rail every 140 mm.
- Material: stainless steel 1.457 (316 Ti).
- Standard: EN 353-1, BGV D36, DIN 18799-2.

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FABA

Sliders

FABA Klassik 150kg

We are introducing the new slider FABA Klassik 150kg. It is an upgrade to the actual FABA Klassik. This new version conforms to the latest applicable standard EN 353-1 and to the European Regulation 2016/425 and is certified for a user weighing up to 150kg.

This slider is a part of the process of upgrading our range of PPE fall protection products and an extension of the FABA range.

The slider is certified and compatible with the rail and ladder of FABA A11 galvanized steel or stainless steel its related accessories.

This rigid vertical fall arrester is tested to stop the fall of one operator, with its tools and equipment, weighing up to 150 kg. It enables several operators to work in safety (each operator having his own FABA Klassik slider) if there are no more than two operators within 10m and at least 3m between them.

In order to provide protection for the user up to the maximum allowed weight, all the products of the system must be HIGH CAPACITY RANGE 150 KG (Please note: The component with the lowest capacity always determines the maximum capacity of the entire fall arrest system.)

Model		Product Code
FABA Klassik M10		514208
FABA Klassik - M23	N	514218

Harness HT120

EN361

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

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

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

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

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

	S	M	XL
HT120 - Standard Buckles	61702	61712	61722

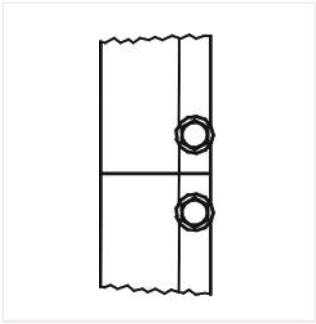
Order products on day 1, will be shipped no later than day 2,

Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

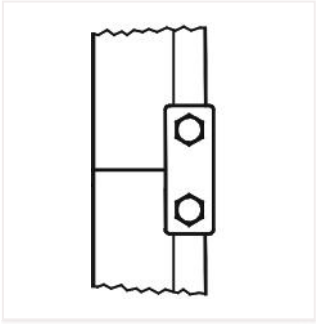
Available on request. Please enquire about delivery times of these items.

FABA A11

Components



Type 1



Type 2

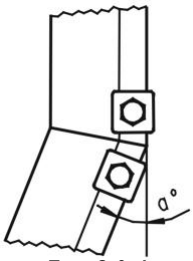
FABA A11 joint connector

Joint connector between FABA A11 ladders or rails.

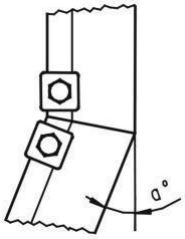
Materials: stainless steel.

4 different type of connectors is existing depending on the configuration of the installation.

Model	Type	Product Code
Straight connection	1	507197
Straight connection with lightning discharge	2	507307
Connection angle between 5° and 15°	3	503258
Connection angle between 15° and 25°	4	503278



Type 3 & 4



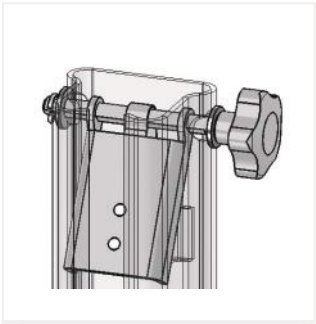
Type 3 & 4

FABA A11 catch

Catches must be installed on all the entry and exit points of the rails in order to prevent unwanted exiting of a FABA slider.

2 types of catch exit:

- Detachable catches must be installed in those locations where the carriage is to be removed.
  The catch must be manually unlocked and then automatically closes (spring)
- Permanent catches must be installed in those locations where the carriage is not to be removed.



Model	Product Code
Detachable catch	523597
Permanent catch	523617

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.

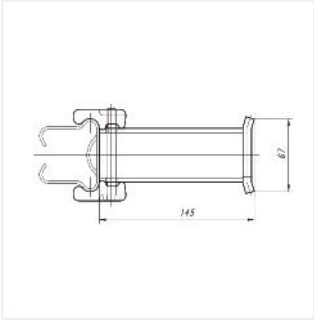
FABA A11

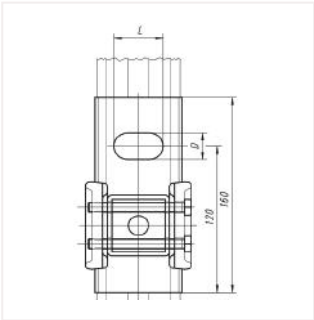
Square bracket

Square tube bracket type I

The square tube bracket is designed for installation of the FABA ladder to a concrete or steel structure.

- Bracket spacing max. 2000 mm.
- Installation structure must be reinforced concrete at least B 25 (observe edge distances and wall thickness).
- Suitable for straight or round surfaces.
- Only use anchors approved by the building authorities.
- Materials: Galvanised steel or stainless steel.



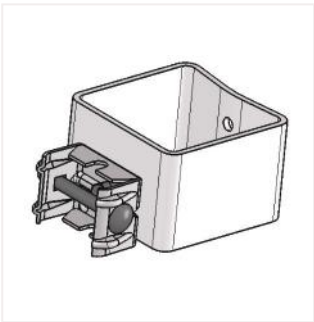


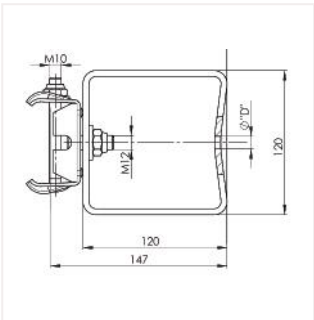
Model	Oblong size D x L (mm)	Material	Product Code
Square tube bracket	22x40	Galvanised steel	502208
Square tube bracket	20x40	Galvanised steel	502228
Square tube bracket	13.5x40	Galvanised steel	502248
Square tube bracket	10.5x40	Galvanised steel	502268
Square tube bracket	22x40	Stainless steel 316	502218
Square tube bracket	20x40	Stainless steel 316	502238
Square tube bracket	13.5x40	Stainless steel 316	502258
Square tube bracket	10.5x40	Stainless steel 316	502278

Square tube bracket type 2

The square tube bracket is designed for installation of the FABA ladder to a concrete or steel structure.

- Bracket spacing max. 2000 mm.
- Installation structure must be reinforced concrete at least B 25 (observe edge distances and wall thickness).
- Suitable for straight or round surfaces.
- Only use anchors approved by the building authorities.
- Materials: Galvanised steel or stainless steel.





Model	Ø fixing hole (mm)	Material	Product Code
Square tube bracket	Ø10.5	Galvanised steel	503047
Square tube bracket	Ø13	Galvanised steel	502068
Square tube bracket	Ø17	Galvanised steel	502088
Square tube bracket	Ø21	Galvanised steel	502108
Square tube bracket	Ø25	Galvanised steel	502128
Square tube bracket	Ø10.5	Stainless steel 316	503057
Square tube bracket	Ø13	Stainless steel 316	502078
Square tube bracket	Ø17	Stainless steel 316	502098
Square tube bracket	Ø21	Stainless steel 316	502118
Square tube bracket	Ø25	Stainless steel 316	502138

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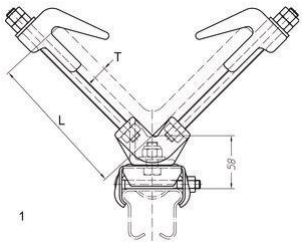
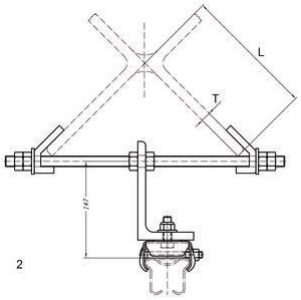
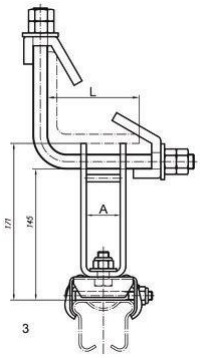
FABA A11

Brackets for corner profile and steel lattice mast





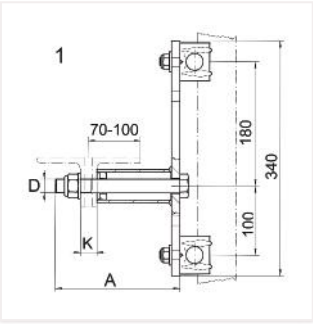


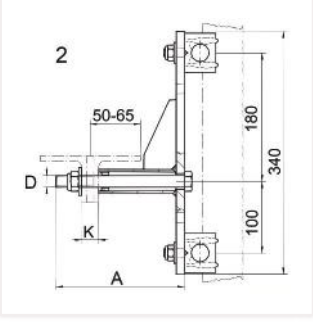
Bracket for corner profile

- Fastening of the FABA ladder to a corner profile.
- Select the corresponding bracket according to the dimensiosn of the corner profile.
- For corner profiles between 80 x 80mm up to 250 x 250mm
- For X profile between 160 x 160mm and 200 x 200mm

Model	Type	Length (mm)	T (mm)	Weight (kg)	Product Code
Central installation	1	80 - 110	6 - 10	0.7	503128
Central installation	1	120 - 140	12 - 13	0.8	503138
Central installation	1	150 - 160	15	0.9	503148
Central installation	1	180 - 250	18 - 24	1	503158
Support/console en X	2	160 - 180	15 - 16	1.1	503188
Bracket X profile	2	200	15 - 24	1.2	503178

Model	Type	Length (mm)	A (mm)	Weight (kg)	Product Code
Lateral installation	3	100	37	0.9	506427
Lateral installation	3	110 - 150	37	1	503168
Lateral installation	3	160 - 200	70	1.1	506437
Lateral installation	3	210 - 250	70	1.2	506447





Bracket for lattice mast

- Fastening of the FABA ladder to a corner profile (e.g. a steel lattice mast).
- Select the corresponding bracket according to the dimensiosn of the corner profile.
- For corner profiles between 80 x 80mm up to 250 x 250mm
- For X profile between 160 x 160mm and 200 x 200mm

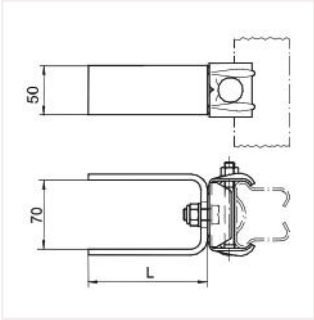
Model	Type	Length (mm)	A	K	D	Weight (kg)	Product Code
Lattice bracket	1	70-100	180	15 - 43	M16	3.8	502508
Lattice bracket	1	70-100	180	12 - 39	M20	4	502518
Lattice bracket	1	70-100	180	12 - 34	M24	4.2	502528
Lattice bracket	1	70-100	180	12 - 31	M27	4.5	502538
Lattice bracket	1	70-100	200	36 - 60	M16	3.9	502458
Lattice bracket	1	70-100	200	28 - 55	M20	4.1	502558
Lattice bracket	1	70-100	200	20 - 50	M24	4.3	502568
Lattice bracket	1	70-100	200	14 - 50	M27	4.5	502578
Lattice bracket	2	50-65	180	15 - 43	M16	3.8	502598
Lattice bracket	2	50-65	180	22 - 47	M12	3.7	502588
Lattice bracket	2	50-65	180	12 - 39	M20	4	502608

FABA A11

Brackets for ladder and rail

U bracket for welding

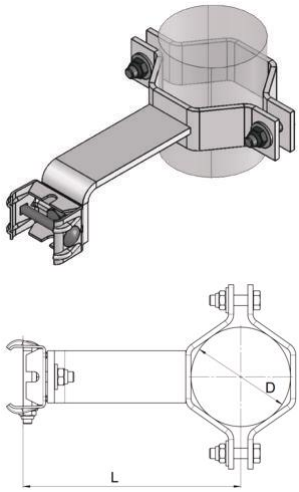
For welding on steel structure by certified welder. Protected against corrosion after welding.
Lengths between 121 and 500mm must be specified at the order.
Mounting clamp and screw set must be ordered separately.



Model	Length (mm)	Product Code
Stainless steel, untreated	120	504067
Stainless steel, untreated L121-305	121 - 305	502788
Stainless steel, untreated L306-400	306 - 400	502808
Stainless steel, untreated L401-500	401 - 500	502818
Steel, untreated	120	504057
Steel, untreated L121-305	121 - 305	502778
Steel, untreated L306-400	306 - 400	502798
Steel, untreated L401-500	401 - 500	502828
Metal sheet	-	502827
Mounting screws M12x30 stainless steel	-	507257

Bracket for round mast

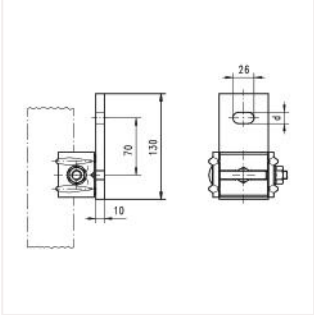
Bracket for round mast, made on demand. Includes 1 clamp.
Material: galvanised steel or stainless steel



Model	Diameter (cm)	Length (mm)	Material	Product Code
D114.3 - L249 - G	114.3	249	Hot-Dip Galvanised Steel	525957
D139.7 - L190 - G	139.7	190	Hot-Dip Galvanised Steel	526617
D146 - L220 - G	146	220	Hot-Dip Galvanised Steel	529987
D159 - L390 - G	159	390	Hot-Dip Galvanised Steel	527087
D231 - L240 - G	231	240	Hot-Dip Galvanised Steel	523837
D241 - L240 - G	241	240	Hot-Dip Galvanised Steel	523827
D244.5 - L202 - G	244.5	202	Hot-Dip Galvanised Steel	524267
D265 - L279 - G	265	279	Hot-Dip Galvanised Steel	523637
D300 - L325 - G	300	325	Hot-Dip Galvanised Steel	521727

Bracket for shaft

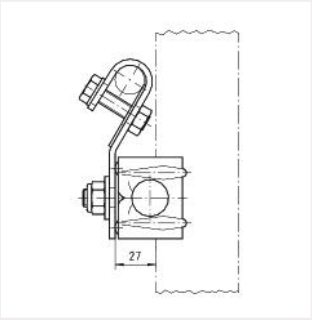
Bracket dedicated for installation in shaft with limited dimension



Model	Diameter d (mm)	Weight (kg)	Product Code
Galvanised	Ø10.5	0.8	503198
Galvanised	Ø14	0.8	503208
Stainless steel	Ø10.5	0.8	506667
Stainless steel	Ø14	0.8	503218

FABA A11

Bracket for rail



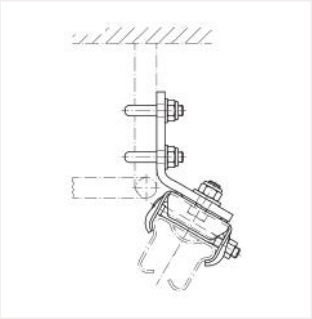
Bracket centrally mounted on step iron

Only for single step iron

Diameter of the step iron between 19 and 22 mm. For step iron with a diameter of more than 20 mm, the spacer is removed during installation.

Installation on the middle of existing step irons

Model	Material	Weight (kg)	Product Code
Step iron bracket	Stainless steel 316	0.7	503187



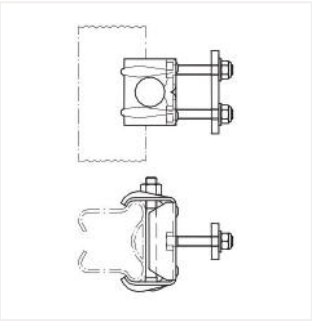
Bracket mounted sideways on step iron

Only for single step iron

Diameter of the step iron between 19 and 22 mm. For step iron with a diameter of more than 20 mm, the spacer is removed during installation.

Installation on the side of existing step irons

Model	Material	Weight (kg)	Product Code
Lateral step iron bracket	Hot-Dip Galvanised Steel	1.2	503038
Lateral step iron bracket	Stainless steel 316	1.2	503048



Central bracket on rungs

For bracket spacing, see leaflet BGi 691 (old ZH 1/604).

Clamping range up to 60 mm.

Installation on the rungs of an existing ladder.

Model	Rungs diameter (mm)	Material	Weight (kg)	Product Code
Bracket 30mm	30	Stainless steel	0.7	503477
Bracket 40mm	40	Stainless steel	0.7	502308
Bracket 50mm	50	Stainless steel	0.7	502318
Bracket 60mm	60	Stainless steel	0.7	503328
Bracket 30-60mm	30-60	Stainless steel	0.4	502888

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

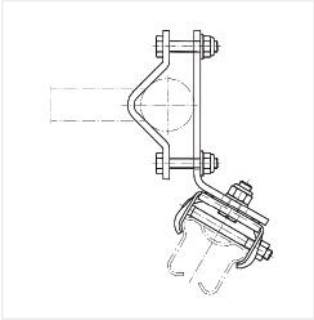
Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

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

FABA A11

Brackets for rail for installation on side bars of existing ladders

Installation on round side bars

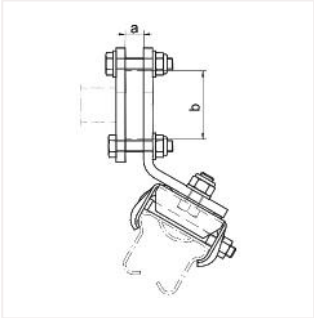


Bracket for the installation of FABA rail on the side profile (which must be round) of an existing ladder.

- Brackets for anchoring FABA A11 fall arrest rails.
- Dimensions: 3 different models are available for a diameter between 33mm and 80mm.
- Materials: Galvanised steel and stainless steel.
- Supplied with 1x clamp

Model	Product Code
Lateral bracket on round side bars, galvanised, Ø33-50mm	503058
Lateral bracket on round side bars, galvanised, Ø60-80mm	505457
Lateral bracket on round side bars, stainless steel, Ø34-55mm	503068
Lateral bracket on round side bars, stainless steel, Ø60-80mm	505467

Installation on rectangular side bars



- Brackets for anchoring FABA A12 fall arrest rails.
- Dimensions: 6 different models are available.
- Materials: Galvanised steel and stainless steel.
- Supplied with 1x M12 x 35mm screw kit.

Each bracket is designed to fit a different side bar size. Dimenions a and b must be checked on the existing ladder to select the corresponding bracket.

Side rail dimension (cm) a	b = 40-60mm Code Galva	b = 40-60mm Code Stainless steel	b = 61 - 80 mm Code Galva	b = 61 - 80 mm Code Stainless steel	b=81-100mm Code Galva
6 - 20 mm	503888	503948	503918	503978	513938
21 - 30 mm	503898	503958	503928	503988	513948
31 - 50 mm	503908	503968	503938	503998	513958

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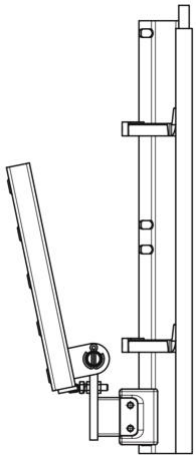
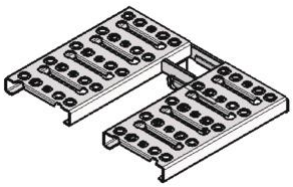
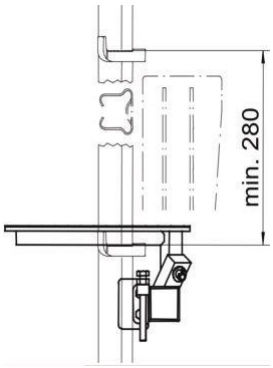
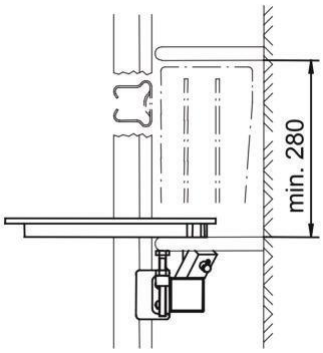
FABA A11

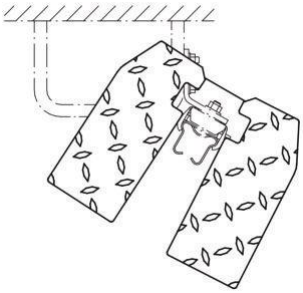
Rest platform











Pivotable rest platform

- For FABA A11 climbing protection ladders or rail (centrally installed on existing rungs).
- The paltform pivots behind the ladder or rungs

The platform is clamped to the rail, no fastening to the structure required.

Materials: Galvanised steel and stainless steel.

Model	Product Code
Galvanised for ladder	526507
Stainless steel for ladder	527097
Galvanised for rail	528317

Foldable rest platform

- For all FABA A11 climbing protection ladders, and rail installed centrally on the rungs (minimum distance of 280mm between rungs needed).
- For all FABA A11 climbing protection rails installed on side of step irons Only with bracket: 503038 or 503048.

The platform is clamped to the rail, no fastening to the structure required.

Materials: Galvanised steel and stainless steel.

Model	Weight (kg)	Product Code
Galvanised	8	507465
Stainless steel	7.5	507455

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 6. Maximum quantities apply for this service.

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

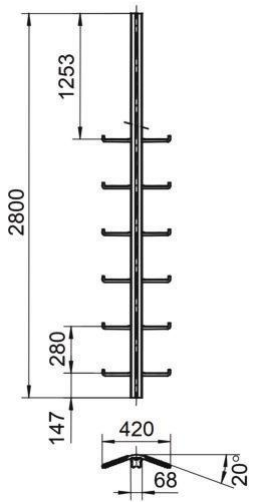
FABA A11

Step-overs

Straight step over

- Stepping over onto a platform at the top of an access ladder, e.g. grating platform with folding grating.
- The climbing protection ladder has no rungs at the top.
- The step-over is fixed to the structure with at least 2 brackets.
- Always install a detachable catch at the upper end.
- Order detachable catch separately.

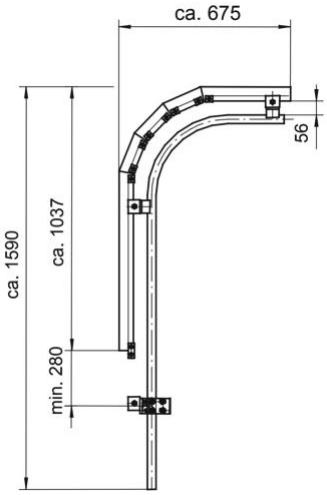
Model	Weight (kg)	Product Code
Galvanised version	19	501648
Stainless steel version	19	501668



Curved step over

- Climbing over to a standing surface at the top of a ladder, e.g. climbing over to the roof.
- The curved step-over is fixed to the structure with a bracket.
- Always install a detachable catch at the upper end.
- Order detachable catch separately.

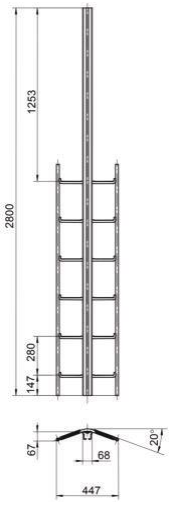
Model	Weight (kg)	Product Code
Galvanised version	15.5	504228
Stainless steel version	15.5	504238



Straight step over with sidebars

- Stepping over onto a platform at the top of an access ladder, e.g. grating platform with folding grating.
- The climbing protection ladder has no rungs at the top.
- The step-over is fixed to the structure with at least 2 brackets.
- Always install a detachable catch at the upper end.
- Order detachable catch separately.

Model	Weight (kg)	Product Code
Galvanised version	19	501768
Stainless steel version	19	501788



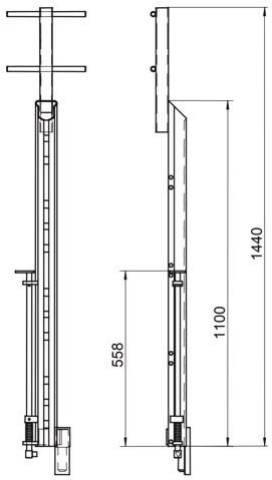
Order products on day 1, will be shipped no later than day 2,

Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

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

FABA A11

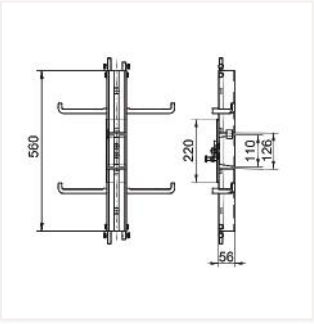
Components

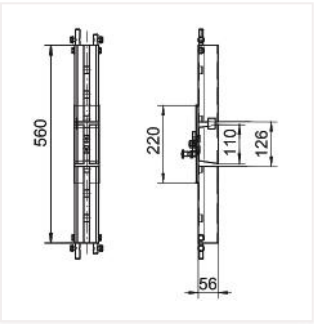


Confined Access Accessory

Specially designed for confined access or covered climbing facilities with FABA™ climbing protection A11.
In order to enter a confined access while maintaining an ergonomic, upright body posture, the entry aid is placed on the existing A11 climbing protection system and removed after the work has been completed. The user is therefore able to secure him/herself while still standing beside the opening to the confined space.
This system may only be used in conjunction with the dedicated coupling or connector.

Model	Product Code
Portable entry aid	503805
Coupling for entry aid	508245
Connector	509437





90° pivoting entry-exit section

The pivoting entry and exit allows an easy insertion and retrival of the slider. It can be installed at any point of the climbing walkway where a safe release from the climbing protection is guaranteed (e.g. platforms).
It should be positioned approx. 1100 mm above the stand surface.
The rail centre section can be turned by 90° and the slider can be retrieved on the side.
Straight connectors are pre-mounted at each end of the component.
The pivoting entry and exit must be fastened to the structure with a bracket.

Model	Length (mm)	Weight (kg)	Product Code
Galvanised for ladder	560	4.9	508847
Stainless steel for ladder	560	4.9	504078
Galvanised for rail	560	3.4	504108
Stainless steel for rail	560	3.4	504118

FABA A11

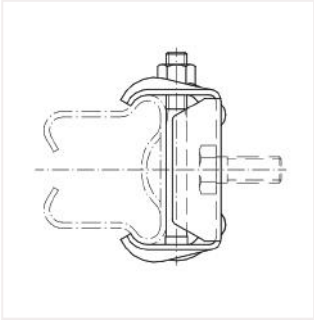
Components

Clamp

Fixing clamp for FABA A11.

Screw set must be ordered separately.

Model	Product Code
Metal sheet	502827
Mounting screws M12x30 stainless steel	507257

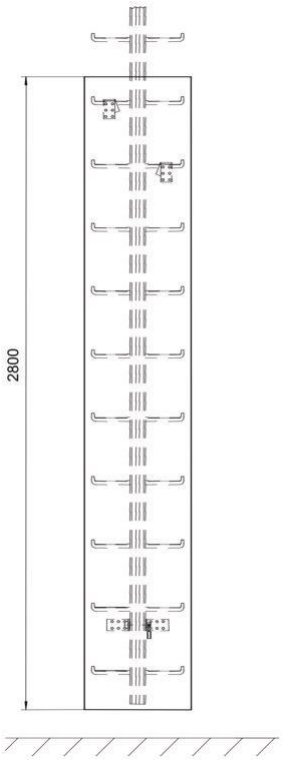


Access restriction

The purpose of the access restriction is to have an element that makes it impossible for unauthorised personnel to access the fall arrest system.

Material: Aluminium.

Model	Weight (kg)	Product Code
Aluminium cover plate	11.2	508145

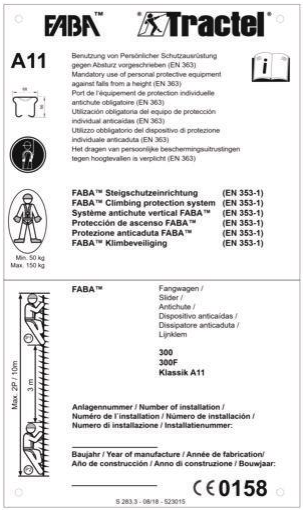


Sign plate

The sign plate is mandatory comonent of any fall protection system.
It must be installed near the access of the system.
It includes the installation reference, the compatible sliders and the year of installation.

Material: aluminium

Model	Product Code
Sign plate	523887



Tractelift

The Tractelift is a climb assist system that relieves the weight of single or multiple climbers while ascending and descending the wind turbine ladder. The Tractelift gives traction relief in an adjustable pulling force up to 90 lbs (40 kg).

The Tractelift is easy to install, offers a continuous run rope loop and can fit onto virtually any kind of vertical ladder. With an adjustable clutch allowing the user to choose their own pulling force, this feature gives the Tractelift more advantages over the competition. The Tractelift can be fitted with a fixed or detachable motor, depending on the user's preference.

THE Tractelift IS NOT FALL ARRESTER EQUIPMENT.

For more information about our special applications, please contact Tractel:

Confined spaces

Confined space range

Davitrac - Davit arm

- Permanent anchor point (2 users of 150 kg each), compatible for working suspended on rope
- Lifting anchor point complying with machinery standards 2006/42/CE - WLL : 500 kg
- Permanent or semi-permanent installation
- Manual or motorised lifting
- Several bases available

Davimast - anchor

- Permanent anchor point (2 users of 150 kg each)
- Lifting anchor point complying with machinery standards 2006/42/CE - WLL : 250 kg
- Permanent or semi-permanent installation
- Manual
- Compatible with davitrac bases

Tracpode

- Material and people lifting (compatible for work in suspension)
- 150 kg people / WLL 500 kg material
- Semi-permanent installation
- Rugged mobile solution
- Manual and motorised

Tracrod

- Permanent anchor point (150 kg)
- Semi-permanent installation
- Manual

FABA ladder

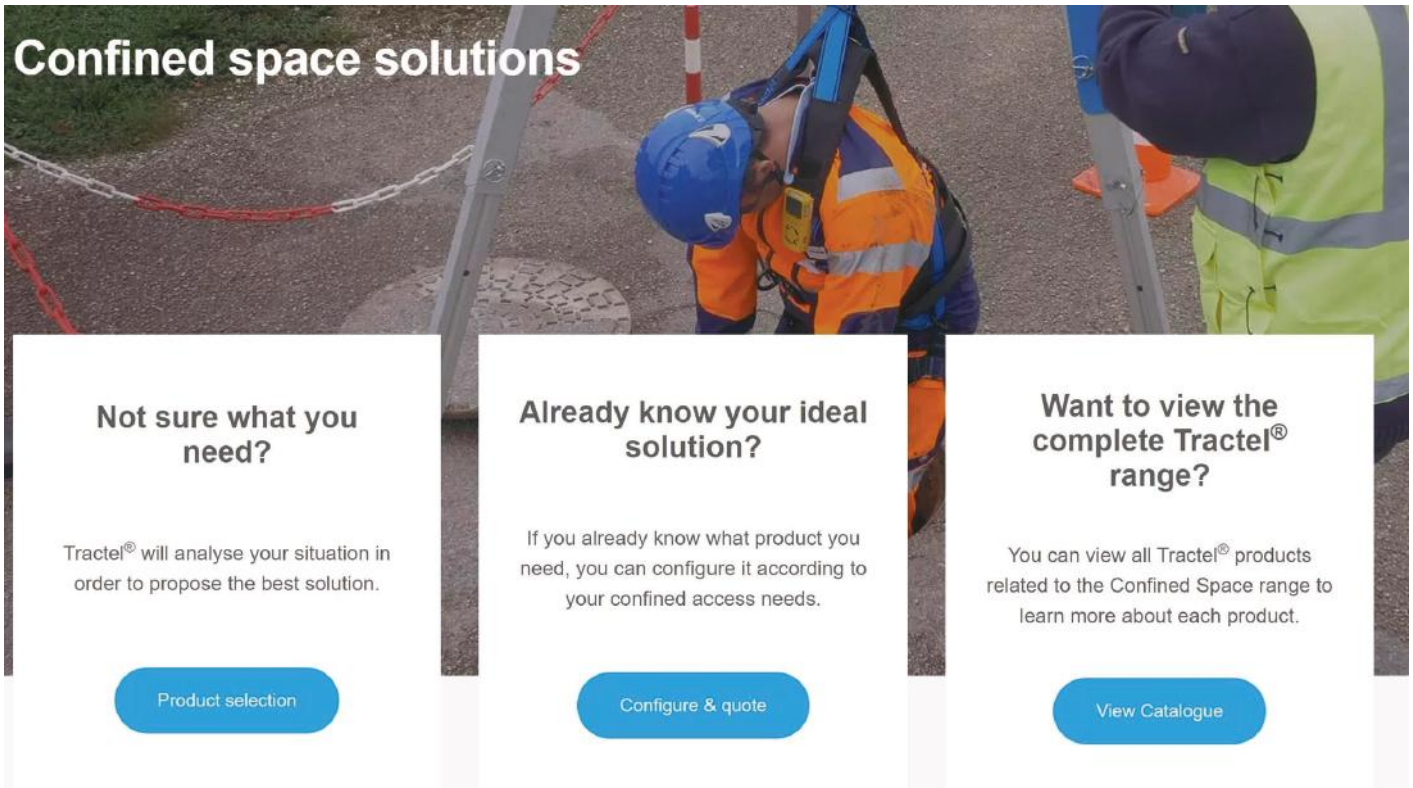
Confined space configurator

Tractel® 's experience puts it at the forefront of providing safe, reliable and easy-to-use equipment for installation and maintenance.

A complete product range, combined with extensive expertise and experience in compliance to standards, as well as an online solution configurator make Tractel® the perfect partner.

To guide you in choosing the right solution for your needs, we have developed a **dedicated Confined Space Configurator**. Depending on your application, our special configurator will help you choose the right solution to work safely in confined spaces.

As safety in confined spaces is a key challenge, trust the experts for safe and unique solutions; Trust Tractel® .



Visit https://www.tractel.com/en/industry-solutions/confined-space and put together the right solution for your confined space issue. For a customized consultation, please contact our Customer Service.

Davitrac

Davit arm for access to confined spaces, safe lifting solution

NEW

Integrate this product using **BIM and 3D files**. Access downloads on the product page of our website.

EN795 & Machine directive 2006/42/CE

The Davitrac is a complete solution for safe vertical lifting of personnel and material in confined space situations.
Mobile and efficient solution for confined space situations.
It offers protection and total mobility for two people simultaneously, during work involving risk of falling
Its compatibility with the Tractel tool range allows a large number of possible configurations.

Technical characteristics:

- Weight: 30 kg (without accessories & bases)
- Anchor points for fall arresters (2 users): 150kg each
- Maximum load capacity (materials): WLL 500 kg
- 360° rotating mast (with locking every 90° or 180° when using H-Base)

Standards:

- Individual protection of operators against falls (EN 795 Class A and/or B + EN 360)
- CEN/TS 16415:2013 (Fall arrest for 2 users).
- EN 1496
- Machine Directive 2006/42/CE (Material lifting).

Compatibles applications:

- Rescue
- Confined spaces access
- Rope works
- Manholes
- Pits
- Sewer access
- Pipes
- Oil and gas
- Civil engineering
- Industry
- Wind and solar installation

Model	Weight (kg)	Product Code
Davitrac	29.5	286819
Wall mounted adapter	13.7 kg	210118
Clearance mural adapter	18.7 kg	210128
Mounted floor adapter	12.7 kg	210108
Flush floor adapter with protective cap	10.7 kg	210138
Portable H base self-stabilizing	53 kg	210098
Clearance mural adapter | Stainless steel	15.6 kg	218018
Mounted floor adapter | Stainless steel	13.4 kg	218008
Protective cap for adapters	0.2 kg	294129

The protective cap is suitable for all adapters except the portable H-base.

Flush floor adapter

Mounted floor adapter

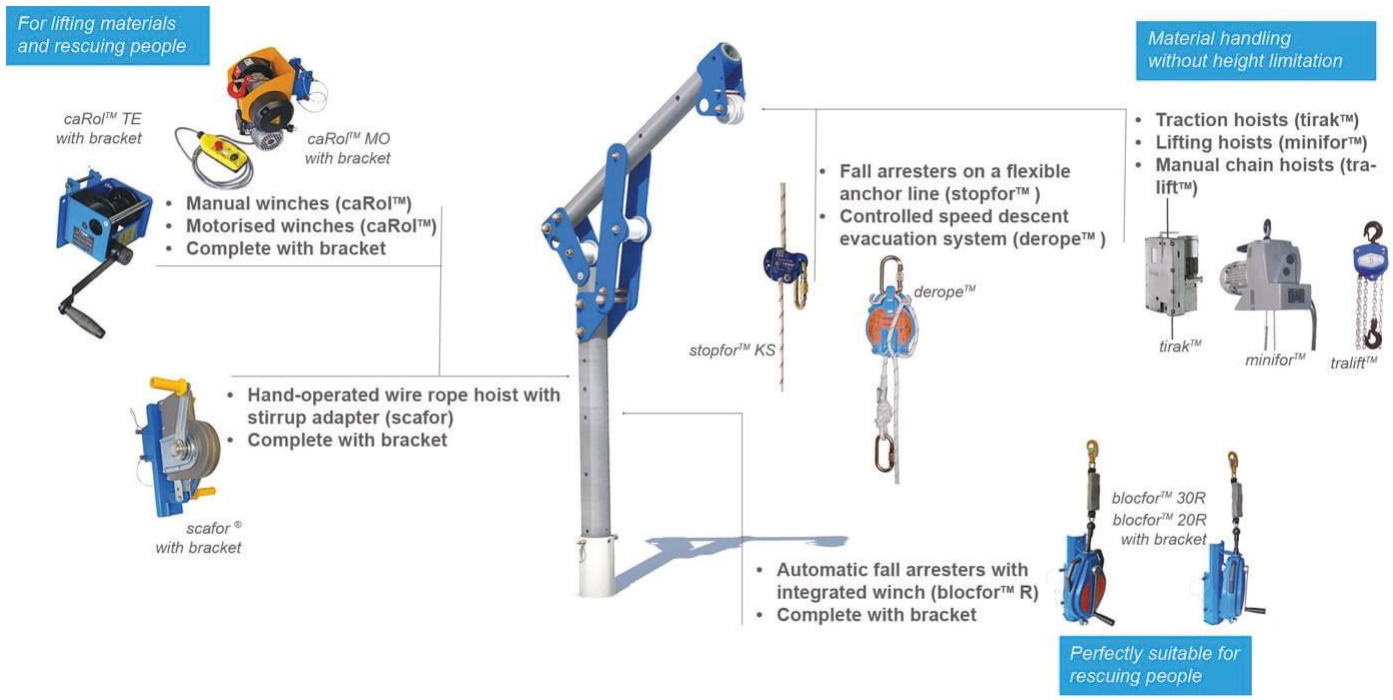
Wall mounted adapter

Mural adapter

Portable H-base

Davitrac

Several solutions with Tractel product range



Davitrac

Accessories: safety & rescue

Blocfor with bracket for Davitrac

EN360 - EN1496

NEW

Integrate this product using **BIM and 3D files**. Access downloads on the product page of our website.

HIGH CAPACITY RANGE 150 kg www.tractel.com

Automatic fall arrester (**EN360**) with rope (galvanised or stainless steel), with integrated winch rescue (**EN1496**).

Can be easily integrated on the davitrac, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools.

- Integrate winch : Automatic fall protection device with integrated winch for ascending or decending during a possible rescue operation.
- Shock-absorption system ESD : is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- The Blocfor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davitrac.

Model	Weight (kg)	Length (cm)	Product Code
Blocfor 20R Evo | galva ESD with bracket for Davitrac - 150kg range	15.6	18	84122
Blocfor 20R Evo | Inox with bracket for Davitrac - 150kg range	15.6	18	84132
Blocfor 30R galva ESD with bracket for Davitrac - 150kg range	24	30	84142
Blocfor 30R inox with bracket for Davitrac - 100kg range	24	30	84152

Carol R with bracket for Davitrac

EN1496 - Directive 2006/42/CE

NEW

Integrate this product using **BIM and 3D files**. Access downloads on the product page of our website.

HIGH CAPACITY RANGE 150 kg www.tractel.com

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

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

Can be easily integrated on the Davitrac, without tools.

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

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

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

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.

Davitrac

Accessories: safety & rescue

Scafor with bracket for Davitrac

EN1496 - Directive 2006/42/CE

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

Scafor also meets the requirements of hoisting winches with a maximum load of 500 kg (**Directive 2006/42/CE**).

Can be easily integrated on the davitrac, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools. Can also be used for lifting materials with a capacity of 500kg. Thanks to its pass-through cable winch technology, it permits the installation of very long cables of more than 30m.

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

To secure the work of an operator on a length greater than 30m, use a Stopfor fall arrester with a suitable length of rope.

Model	Weight (kg)	Product Code
Scafor R 500kg without cable - with bracket for Davitrac	13.6	293019
Galvanized wire rope - Ø 6, 5mm - 20m - equipped with M47 - for Scafor	5	245899
Galvanized wire rope - Ø 6, 5mm - 30m - equipped with M47 - for Scafor	6.8	245909
Galvanized wire rope - Ø 6, 5mm - 40m - equipped with M47 - for Scafor	8.6	245919
Galvanized wire rope - Ø 6, 5mm - 50m - equipped with M47 - for Scafor	10.5	245929
Galvanized wire rope - Ø 6, 5mm - 60m - equipped with M47 - for Scafor	12.3	286929
Galvanized wire rope - Ø 6, 5mm - 70m - equipped with M47 - for Scafor	14.1	286939

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

2006/42/CE

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

Can be easily integrated on the davitrac, without tools.

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

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

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.

Davitrac

Accessories: lifting

Carol MO with console for Davitrac - lifting materials

2006/42/CE

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

Can be easily integrated on the davitrac, without tools.

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

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

Tralift

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

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

Model	Product Code
Tralift 500kg - 10m	286849

Trolley for Davitrac - Davimast

The trolley for Davitrac – Davimast is designed for the safe and ergonomic transport of davitrac or davimast confined-space anchor points to the working area. It can be used by one operator easily, reducing the amount of effort required.

It is made of carbon steel, coated with an anti-corrosion painting. On the inner part of the transport arm there is a silicon layer, to protect the painting and reduce the risk of scratching and wearing.

It has two independent rubber wheels, which allows its operation on any type of ground.

Model	Product Code
Trolley for Davitrac - Davimast	210618
Transport bag	84582

Davimast

Davimast equiped with 2 anchor points 360° to secure persons

EN 795-A - CEN/TS 16415

Technical characteristics:

- Anchor point with a maximum capacity of 2 operators of 150 kg each.
- Bracket equiped with 2 anchor points 360°.
- Lightweight, easy storage, transport and set-up
- No tools required for assembly
- Uses the same bases as the davitrac (except self-stabilizing base)

Model	Product Code
Davimast - mast	210188
bracket with 2 anchor points	210198

NEW

Integrate this product using **BIM and 3D files.** Access downloads on the product page of our website.

Davimast equiped with Blocfor R fall arrest and rescue system

EN360 - EN1496

Automatic fall arrester (**EN360**) with rope (galvanised or stainless steel), with integrated winch (**EN1496**).

Can be easily integrated on the Davimast, without tools.

Anchor point with a maximum capacity of 2 operators of 150 kg each.

- Integrate winch : Automatic fall protection device with integrated winch for ascending or decending during a possible rescue operation.
- Shock-absorption system ESD : is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- The Blocfor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of davimast.

Technical characteristics:

- Anchor point with a maximum capacity of 2 operators of 150 kg.
- Bracket equipped with Blocfor R (automatic fall arrester with rescue winch 20m or 30m length)
- Bracket equipped of 1 PPE anchor point 150kg (allows person staying on surface to be secured)
- Lightweight, easy storage, transport and set-up
- No tools required for assembly
- Same bases than davitrac (except self-stabilizing base)

Standards:

- EN 795-A : 2012 (bracket + base anchor point)
- CEN/TS 16415:2013-B (bracket + base multiuser).
- EN 1496 / EN 360 (Blocfor R)

Model	Weight (kg)	Product Code
Davimast - mast	9.7	210188
Blocfor 20R Evo | galva ESD with bracket for Davimast - 150kg range	21.5	84362
Blocfor 20R Evo | inox with bracket for Davimast - 150kg range	21.3	84372
Blocfor 30R galva ESD with bracket for Davimast - 150kg range	29.9	84382
[illegible]ast - 100kg range	29.6	84392

Davimast

NEW

Integrate this product using **BIM and 3D files**. Access downloads on the product page of our website.

Davimast with Carol TS 250 winch for lifting material

Machine directive 2006/42/CE - EN795-A - CEN/TS 16415

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

Can be easily integrated on the davimast, without tools.

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

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

Technical characteristics:

- Bracket equipped with Carol winch TS250: WLL 250kg / 20 m or 30 m length
- Bracket equipped of 1 PPE anchor point 150 kg
- Lightweight, easy storage, transport and set-up
- No tools required for assembly
- Uses the same bases as the davitrac (except self-stabilizing base)

Model	Product Code
Davimast - mast	210188
CaRol TS 250kg with 20m of galvanized cable galva and bracket for davimast	293799
CaRol TS 250kg with 30m of galvanized cable galva and bracket for davimast	293809

Adapters

Model	Product Code
Wall mounted adapter	210118
Clearance mural adapter	210128
Mounted floor adapter	210108
Flush floor adapter	210138
Mounted floor adapter | Stainless steel	218008
Clearance mural adapter | Stainless steel	218018
Protective cap for adapters	294129

Flush floor adapter

Mounted floor adapter

Wall mounted adapter

Mural adapter

Tracrod

Tracrod 150 kg

EN795-A - CEN/TS16415 (2 users)

The Tracrod 150 kg anchoring rod is a movable anchor point that allows two users, each weighing up to 150 kg (user + harness + tools), to work safely.

The Tracrod 150 kg anchoring rod is intended for persons who need to access structures such as storage silos, sewers, etc. via manholes.

For use, the anchor rod is inserted into a stainless steel mounting bracket, which is permanently fixed in a shaft. By placing the mounting bracket in the shaft, there are no permanent obstacles around the manhole when the anchoring rod is not in use. Ideal for locations such as sewer entrances in public roads, for example.

The Tracrod anchoring rod can be set up and removed within seconds without tools (when the mounting bracket is already installed).

Due to its compact size and light weight, it can be transported in small vehicles and is easy to use.

The head of the Tracrod 150 kg anchoring bar is equipped with 2 anchoring points, located at approximately 1.5 m above ground level. This height allows the user to work with a fall factor of 0 or 1.

The stainless steel mounting bracket itself also complies with EN795-A:2012 and can therefore be used, without using the Tracrod anchoring rod, to secure a person. As an option, it can be equipped with a bracket to support a Blocfor 20R or 30R.

- Rod is made of aluminum
- Mounting bracket made of stainless steel 316L
- Weight: 5.5 kg (without accessories)
- Overall length 1.76m
- Complies with the EN 795-A:2012 standard
- Complies with the CEN/TS 16415:2017 standard

Model	Product Code
Tracrod 150 kg anchor rod	207128
Support mount	207118

NEW

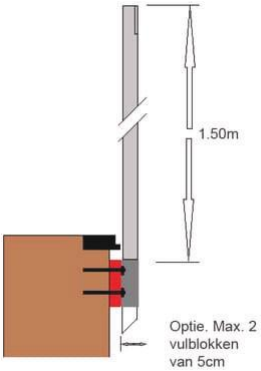
Integrate this product using **BIM and 3D files.** Access downloads on the product page of our website.

Tracrod

Accessories: mounting

NEW

Integrate this product using **BIM and 3D files**. Access downloads on the product page of our website.



Tracrod interfaces

The stainless steel mounting bracket is essential to use the Tracrod system. There is a wide variation in shapes and material of the shafts. Because of this variation, multiple mounting options are necessary.

Tractel offers 3 different solutions to install the Tracrod base in a shaft.

- Direct (the stainless steel mounting bracket is attached directly to the structure).
- With a horizontal interface for light structures for in square shafts built in a material with low resistance, such as bricks
- With a vertical interface for light construction can be used in round and square shafts made of material with low resistance, such as brick

In case the installation of the interface and stainless steel mounting bracket can be permanently installed on the outside of a structure, Tractel offers the following interface:

The surface-mounted interface installed on a horizontal structure

In some cases, the opening of the manhole is not perfectly aligned with the shaft below it. To optimize the position of the Tracrod, this opening must be filled. For all installation options, 1 or 2 plastic padding blocks (thickness 50mm) can be included to optimize the position of the Tracrod.

Model	Product Code
Securing plate	207368
Universal low density structure base (to suit curved or straight structure)	210588
Chair base tracrod	210598
5 cm thick spacer block	207358
10 cm thick spacer block	218118
Handle bar	86642

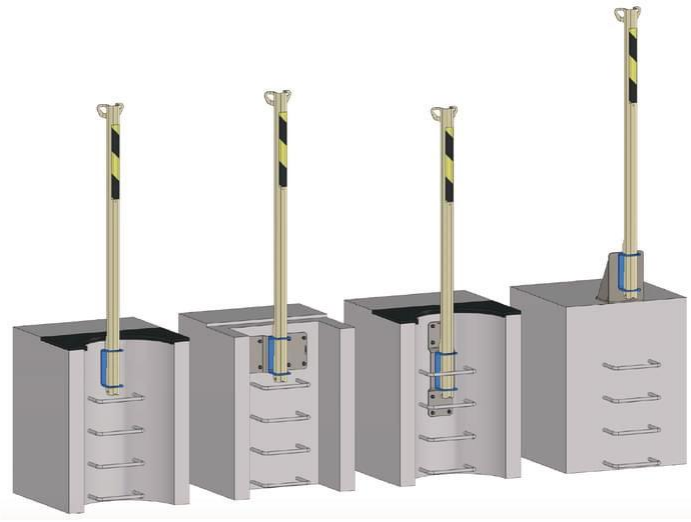


Image 1 : Support mount (207118)

Image 2 : Securing plate (207368)

Image 3 : Universal low density structure base (round or square look) (210588)

Image 4 : Chair base (210598)

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 20R Evo / 30R with bracket for Tracrod

EN360 - EN1496 - CNB/P/11.062

Automatic fall arrester (**EN360**) with rope (galvanised or stainless steel), with integrated winch (**EN1496**).

Can be easily integrated on the Tracrod, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools.

- Integrated winch : Automatic fall protection device with integrated winch for ascending or decending during a possible rescue operation.
- Shock-absorption system ESD : is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- The Blocfor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of Tracrod.

Model	Weight (kg)	Product Code
Bracket + Blocfor 20R Evo | ESD Galva 150 kg	16.5	81492
Bracket + Blocfor 20R Evo | ESD stainless steel 150 kg	16.5	84412
Bracket + Blocfor 30R | ESD Galva 150 kg	24.5	81502
Bracket + Blocfor 30R | ESD stainless steel 150 kg	24.5	84422
Blocfor bracket	4,5	207108

NEW

Integrate this product using **BIM and 3D files.** Access downloads on the product page of our website.

HIGH CAPACITY RANGE 150 kg www.tractel.com

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 tripod

EN795-B - Machine directive 2006/42/CE

Tracpode 150 kg is a temporary anchor point.

It is tested to stop the fall of two operators weighing 150 kg each; including the weight of their equipment and tools.
It allows two users to work safely.

It may also be used as an anchor point for lifting with the ability to lift a maximum load of 500 kg.
It can be folded up and it is small enough to be transported in light "site vehicles". It is easy to handle.
The Tracpode 150 kg is intended for persons who need to access confined spaces such as storage silos, sewers, etc.

NEW

Integrate this product using **BIM and 3D files**. Access downloads on the product page of our website.

Tracpode - standard model

- Adjustable to 1.53m - 1.72m - 1.91m - 2.10m - 2.29m - 2.48m (max height)
- Width (depending on the chosen height) : 1.20m - 1.33m - 1.46m - 1.59m - 1.72m - 1.85m

Model	Weight (kg)	Product Code
Tracpode	23	273739
Tracpode + PPE pulley kit	24,38	273749
Tracpode + 2 PPE pulley kits	25,76	273769
Tracpode + 1 PPE pulley kit + 1 lifting pulley kit	25,76	273779
Tracpode + 2 PPE + 1 lifting pulley kits	27,14	273789
PPE pulley kit	1,38	196968
Lifting pulley kit	1,38	196958
Tripod canvas bag	-	31572

Tracpode - short model

- Adjustable to 1.28m - 1.47m - 1.66m - 1.85m - 2.04m - 2.23m (max height)
- Width (depending on the chosen height) : 1.01m - 1.15m - 1.28m - 1.41m - 1.54m - 1.67m

Model	Weight (kg)	Product Code
Tracpode - short model	21,4	278039
Tracpode + PPE pulley kit	22,78	278049
Tracpode + 2 PPE pulley kits	24,16	278059
Tracpode + 1 PPE pulley kit + 1 lifting pulley kit	24,16	293999

Blocfor with bracket for Tracpode

EN360 - EN1496 - CNB/P/11.062

Automatic fall arrester (**EN360**) with rope (galvanised or stainless steel), with integrated winch (**EN1496**).

Can be easily integrated on the Tracpode, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools.

- Integrated winch : Automatic fall protection device with integrated winch for ascending or descending during a possible rescue operation.
- Shock-absorption system ESD : is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- The Blocfor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of tracpode.

Model	Weight (kg)	Product Code
Blocfor 30R - galvanized - 150kg range - without bracket	14.3	75502
Blocfor 30R I - stainless steel - 100kg range - without bracket	14.3	42972
Blocfor leg bracket	3	200368

Carol R with bracket for Tracpode

EN1496 - CNB/P/11.062 - 2006/42/CE

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

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

Can be easily integrated on the tracpode, without tools.

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

- Rescue winch.
- Lifting material winch.
- 250 kg capacity for materials handling
- 5 mm galvanised ø cable length available in 20 m and 30 m.
- Rotation-resistant wire rope
- Can be used for work in suspension, if you use a second safety fall arrest conforming to EN 360
- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of tracpode.

Model	Product Code
Carol 20 + leg bracket + 20m cable	280589
Carol 30 + leg bracket + 30m cable	280599
Carol leg bracket	200378

Tracpode

Accessories: safety & rescue

Derope with bracket for Tracpode

EN341 - EN1496

Derope is a descent device (**EN341**) with recovery winch (**EN 1496**).

The Derope descent device is a controlled speed descent evacuation system.

Can be easily integrated on the tracpode, without tools. Thanks to its conception, it permits the installation of very long cables of more than 30m.

It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters, if the operator is equipped with a fall arrester.

- The braided rope is guided by pulleys equipped with an anti-jump cable fixed on the head of Tracpode

Model	Product Code
Derope with bracket for tracpode	87498
Derope UPR with bracket for tracpode	194199
Rope (1m)	50962

Drill attachment

The UP range is equipped with a drill attachment for use with a battery operated drill of 14 V, 300 W.
The Derope UP descender can be used with a battery powered drill, opening up many more applications for the product.

- The drill attachment enables the fast lifting of a person over a great height in a rescue operation or vertical displacement. It is recommended for companies that work in silos, tanker vats, drains, etc.
- The Derope UP descender can be used to move rope access technicians and raise them, effortlessly, to a greater height. It is ideal for window cleaners, bill stickers and aerial installers.

Scafor with bracket for Tracpode

EN 1496 - 2006/42/CE

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

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

Can be easily integrated on the leg of Tracpode, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools. Can also be used for lifting materials with a capacity of 250kg. Thanks to its pass-through cable winch technology, it permits the installation of very long cables of more than 30m.

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

Model	Product Code
Scafor 250kg without cable - with bracket for tracpode	251079
Galvanized wire rope - Ø 6, 5mm - 20m - equipped with M47 - for Scafor	245899
Galvanized wire rope - Ø 6, 5mm - 30m - equipped with M47 - for Scafor	245909
Galvanized wire rope - Ø 6, 5mm - 40m - equipped with M47 - for Scafor	245919
Galvanized wire rope - Ø 6, 5mm - 50m - equipped with M47 - for Scafor	245929
Galvanized wire rope - Ø 6, 5mm - 60m - equipped with M47 - for Scafor	286929
Galvanized wire rope - Ø 6, 5mm - 70m - equipped with M47 - for Scafor	286939

Tracpode Pro

EN795-B - Machinery directive 2006/42/CE

NEW

The Tracpode Pro tripod is a perfectly portable and easy to set up temporary anchor point,

It combines anchoring and lifting functions.

Being telescopic, it easily adapts to different environments to set the right height.

This aluminium tripod can be easily transported and used. Thanks to its small size, it can be easily transported in small construction site vehicles and is lightweight and easy to use.

This device provides a working height of 1 620 mm and guarantees a reliable anchor point for simultaneous access for up to 2 people in confined work areas. For all delicate interventions in confined spaces, such as storage silos and sewers, the Tracpode Pro tripod allows you to work without risk of falling.

It has been tested to stop the fall of two users weighing 150 kg each, including the weight of their equipment and tools. Two users can work safely.

It can also be used as an anchor point for lifting with the ability to lift a maximum load of 250 kg.

The head of the Tracpode Pro is equipped with 3 anchoring points.

Two PPE anchorages, each for 150 kg, and one anchorage designed for lifting loads weighing 250 kg.

One leg is designed to support a Tractel winch of 150 kg (material lifting) or a Tractel Blocfor R fall arrester of 150 kg.

Technical characteristics:

- Composition: Aluminium
- Height min. feet folded: 1 200 mm
- Working position height: 1 520 to 1 620 mm
- Diameter determined by the 3 legs: Ø 1 230 to 1 310 mm
- Weight: 11.90 kg
- Quick and easy attachment of accessories to the outside of the tripod, without tools

Model	Weight (kg)	Product Code
Tracpode Pro - tripod	11.90	299049
PPE pulley	0.75	218408
Lifting pulley	0.75	218418

Model	Product Code
Transport bag	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.

Blocfor R EVO ESD 150 kg

EN360 + EN1496

The Blocfor 20 R EVO ESD 150 kg functions like a standard retractable fall arrester to stop the fall of an operator. It also features an integrated rescue winch system that can be easily activated after a fall to rapidly evacuate a person upwards or downwards in case of a rescue operation.

Features:

- Handle-type anchorage capable of receiving large-diameter connectors.
- Automatic fall arrester with an **integrated winch** for ascending or descending during a potential rescue operation.
- Plastic housing casing made of a polyamide/ABS blend, UV-resistant, highly resistant to impact and aging.
- Equipped with an ESD energy absorber, traceability label and a fall indicator. That ensures that the user will not experience an impact of more than 600 daN even if the fall occurs when the cable or strap is fully extended.
- Allows horizontal use (for the version with galvanized cable).
- Blocfor 20 R EVO ESD I only suitable for vertical use.

Blocfor 20 R & 10 R EVO ESD G

Blocfor 20 R EVO ESD I

The associated mounting brackets allow for installation on Tracpode and Tracpode Pro tripods, Davitrac davits, Davimast masts, as well as the Tracrod anchorage for easy winch handling.

Model	Length (m)	Description	Weight (kg)	Product Code
Blocfor 10 R EVO ESD G	10	Galvanised rope	11.2	87742
Blocfor 20 R EVO ESD I	20	Stainless steel rope	12.2	87502
Blocfor 20 R EVO ESD G	20	Galvanised rope	12.5	87492
Bracket for Blocfor 10R/20R Evo	-	Steel	1.9	218428
PPE pulley	-	Size : 200 x 100 x 50 mm	0.75	218408

NEW

Blocfor 20 R Evo ESD G

Blocfor bracket

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 Pro

Accessories : winches

NEW

Carol R Pro 12 winch

EN1496 B - 2006/42/CE

CaRol R PRO 12 winch is a rescue equipment compliant with EN 1496 class B with a maximum working load of 150 kg. It allows operators to be raised and lowered when working in a confined space.
It also meet the requirements of load lifting winches with a maximum working load of 150 kg.
CaRol R PRO winches can also be used as work devices suspended on a rope if they are coupled with a fall arrest system complying with standard EN 363.

CaRol R PRO winches are delivered with their cable equipped.

They must be fixed on anchoring consoles for Tracpode Pro tripod.

Technical characteristics:

- Cable length: 12 m
- Cable diameter: 5 mm
- Weight: 5,3 kg

Model	Weight (kg)	Product Code
Carol R Pro 12 winch	5.3 kg	218438
Bracket for Carol R Pro 12	2.8 kg	218448
PPE pulley	0.75	218408
Lifting pulley	0.75 kg	218418

NEW

Carol Duratech winch

The caRol Duratech range is designed for lifting loads. caRol Duratech winches are equipped with a wire rope, a swivel and a lifting hook in stainless steel.

caRol Duratech are designed to work in environments with low corrosive content, but where the cable is in contact with aggressive or corrosive substances and requires regular cleaning.

Model	Weight (kg)	Product Code
caRol Duratech 150	5.2	218498
Bracket for Carol R Pro 12	2.8 kg	218448
Lifting pulley	0.75 kg	218418

Tracpode Pro

Accessories : winches

caRol R Pro 20 winch

2006/42/CE - EN1496 A

NEW

CaRol R PRO 20 winch is a rescue equipment compliant with EN 1496 class B with a maximum working load of 150 kg. It allows operators to be raised and lowered when working in a confined space.
It also meet the requirements of load lifting winches with a maximum working load of 150 kg.
CaRol R PRO winches can also be used as work devices suspended on a rope if they are coupled with a fall arrest system complying with standard EN 363.

CaRol R PRO winches are delivered with their cable equipped.

They must be fixed on anchoring consoles for Tracpode Pro tripod.

Technical characteristics:

- Cable length: 20 m
- Cable diameter: 5 mm
- Weight: 10,3 kg

Model	Weight (kg)	Product Code
Carol R Pro 20 winch	10.3 kg	218458
Bracket for Carol R Pro 20	3.8 kg	218468
PPE pulley	0.75	218408
Lifting pulley	0.75 kg	218418

caRol R TS 150 winch

2006/42/CE - EN1496 A - EN13157

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

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

Can be easily integrated on the leg of the Tracpode Pro, with a dedicated bracket.

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

- Rescue winch.
- Lifting material winch.
- 150 kg capacity for materials handling
- 5 mm galvanised ø cable length available in 20 m.
- Rotation-resistant wire rope
- Can be used for work in suspension, if you use a second safety fall arrest conforming to EN 360
- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of tracpode.

Model	Weight (kg)	Product Code
Carol R TS winch	13.4 kg	299249
Bracket for Carol R Pro 20	3.8 kg	218468
PPE pulley	0.75	218408
Lifting pulley	0.75 kg	218418

Manhole cover

The Manhole cover is a plate that is temporarily adapted to a manhole. It effectively protects the fall of distracted passers-by or operators who might fall into the open gaze.

The Manhole cover is made of an HD polymer plate that has properties that are resistant to load, future-proof, and many chemical components.

The Manhole cover is positioned on the lip of the manhole.
With its ventilation holes with a diameter of 40 mm, the Manhole cover ensures perfect air circulation for ventilation manoeuvres in the network, even when it is closed. Its installation is simple and quick (in a few seconds).

The Manhole cover is available in standard sizes of Ø 630 mm and Ø 825mm. It can exist in other dimensions (see Tractel).

In all cases, the operator must check that the Manhole cover is compatible with the manhole on which it is going to be installed.

Model	Product Code
Yellow Manhole protective cover 630A	253065
Yellow drain protection cover + large removable centre vent 630V	253075
Yellow Manhole protective cover + space for anchor 630S	253085
Yellow Manhole protective cover + ventilation plate + rod opening 630SV	253095
Yellow Manhole protective cover 825A	253105
Yellow Manhole protective cover + large removable central ventilation 825V	253115
Yellow Manhole protective cover + space for anchor 825S	253125
Yellow Manhole protective cover + large removable central ventilation + space for anchor 825SV	253135

FABA A12 system

Rail-mounted fall arresters for sewer access

The FABA A12 System has been on the market since 1995. It is a logical evolution of the FABA A11 System but a lighter and smaller version. The design of the safety rail and carriages is asymmetrical and guarantees that the carriages are always used in the right direction.

- Dimensions rail profile: 48 x 32 x 3 mm
- Material: Hot-dipped galvanised steel or stainless steel (1.4571)
- Design: Ladder with central upright or just rail
- Spacing in between stops: 40 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight and welded on the back of the rail
- Width of the ladder: 380 mm
- Primary lengths: 5600 and 2800 mm
- Adjustment lengths: 560, 840, 1120, 1400, 1680, 1960, 2240, 2520, 3080, 3360, 3640, 3920, 4200, 4480, 4760, 5040 and 5320 mm
- Maximum distance between fixings: 1400 mm for the ladder and 1960 mm for the rail.

"Confined space" range

Comfort

Frequency of use

Integrated options

Harness HT55 Confined Space

EN 361

The HT55 harness can be used for confined space. It is particularly suited for use with a respiratory system which slides easily onto the belt.
Enhanced comfort is ensured by the back XPad, the mountaineering-type thigh straps, and the linkage between the shoulder straps and thigh straps by connecting buckles.

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

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

	S	M	XL
HT55 A BS - Quick release buckles	83902	83912	83922

Harness for rescue

Harness HT22R

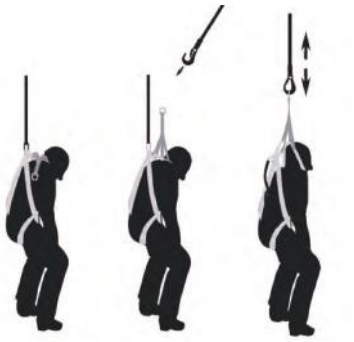
EN361 - EN1497

Universal harness with standard buckles and rescue straps.

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

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

	S	M	XL
HT22R	44952	44962	44972



Comfort
Frequency of use
Integrated options

HT9 Evacuation triangle

EN1497

Special harness for evacuation operations, easy to install, even with a person lying on the ground.
Due to its 3 adjustment settings, the HT9 can be used with both children and adults.

- EN 1497.

Model	Product Code
HT9 Evacuation Harness	17622

Bestel producten op dag 1, worden uiterlijk op dag 2 verzonden.

Bestel producten op dag 1, worden uiterlijk op dag 3 verzonden. Hiervoor gelden maximale hoeveelheden.

Op aanvraag verkrijgbaar. Informeer naar de levertijden van deze artikelen.

Tirope

Rescue winch

NEW

EN 1496 - EN1891/A - Machinery Directive 2006/42/CE

The Tirope winch is a compact traction and lifting device, very easy to set up and handle. It can be used to lift an operator for a rescue operation. It can also be used to lift equipment.

One of the rare solutions allowing you to tow a rope under tension very efficiently, specially designed to meet the needs and requirements of rescue professionals.

It is easy to use and simple to operate, enabling an operator to be evacuated or a load to be moved up in emergency situations where conventional lifting equipment is unavailable or unusable.

The operator moves the lever back and forth, two slides with a self-tightening jaw alternately block the braided rope to raise the load.

The Tirope is for 12.5 mm diameter Tractel Tirope braided rope with 50 m length and a maximum lifting capacity of 120 kg.

The braided rope is equal to steel in strength and use, the quality of grip and weight savings. It also offers excellent resistance to overheating, UV and abrasion.

Model	Weight (kg)	Length (m)	Size (Apparel)	Product Code
Tirope winch	4.2		77 x 15 x 21	299029
RLXD 12,5 10m-M15-A	1.317	10	Ø 300 x 100	87572
RLXD 12,5 20m-M15-A	2.367	20	Ø 350 x 100	87582
RLXD 12,5 40m-M15-A	4.467	40	Ø 350 x 200	87592
RLXD 12,5 60m-M15-A	6.567	60	Ø 400 x 200	87602

Different lengths available on request.

Model	Product Code
Transport bag	100625

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.

Subito, Evak

Subito

Manual one man seat.

- With its easy, efficient and safe operation, the subito was created specifically for working on façades (inspection, maintenance and cleaning).
- Designed for working at heights of up to 30 metres.
- When equipped with a scafor™ manual winch it is approved for lifting people.

Model	Product Code
Subito	25429
Support mount	28398
10 m galvanised cable	53809
20 m galvanised cable	53829
30 m galvanised cable	53849

Evak 500

Manual rope winch offering unlimited travel with a 500 kg capacity

- Specially designed for rescue operations
- Static braided rope of a diameter 12.5 mm

Model	Product Code
Evak 500	23498
Transport 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

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

The Derope descent system is an evacuation system with controlled descent speed. It can be used to evacuate one person (up to 150 kg) up to a height of 400 metres or 2 people (up to 225 kg) up to a height of 200 metres.

Both sides of the rope are equipped with a connector to connect a person and are suitable for descending with. The Derope allows multiple back and forth movements.

Derope STD

EN341

The Derope descent device is a controlled speed descent evacuation system. It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters.

Standard Derope allows multiple descents, designed for downward evacuation. Descent only.

- Height 400m for max 150 kg
- Height 200m for max 225 kg

Model	Product Code
Derope STD	279499
Rope (1m)	50962

Derope UPA

EN341 - EN1496

The derope descent device is a controlled speed descent evacuation system. It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters.

The Derope UPA is equipped with a recovery winch

- Height 400m for max 150 kg
- Height 200m for max 225 kg

Model	Product Code
Derope UPA	279509
Rope (1m)	50962

Derope

Evacuation system with controlled descent speed

Derope UPB

EN341 - EN1496

The Derope descent device is a controlled speed descent evacuation system. It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters.

derope UP B with winch, equipped with a large mounting bracket for ladder.

The unit is mounted on two ladder treads. The mounting system must be secured by a lanyard.

- Height 400m for max 150 kg
- Height 200m for max 225 kg

Model	Product Code
Derope UPB	279519
Rope (1m)	50962

Derope UPK

EN341 - EN1496

The Derope descent device is a controlled speed descent evacuation system. It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters.

derope UP K with winch, equipped with a small mounting bracket for ladder.

The unit is mounted on a ladder tread.

- Height 400m for max 150 kg.
- Height 200m for max 225 kg

Model	Product Code
Derope UPK	279529
Rope (1m)	50962

Drill attachment

The UP range is equipped with a drill attachment for use with a battery operated drill of 14 V, 300 W.
The Derope UP descender can be used with a battery powered drill, opening up many more applications for the product.

- The drill attachment enables the fast lifting of a person over a great height in a rescue operation or vertical displacement. It is recommended for companies that work in silos, tanker vats, drains, etc.
- The Derope UP descender can be used to move rope access technicians and raise them, effortlessly, to a greater height. It is ideal for window cleaners, bill stickers and aerial installers.

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 evacuation kit

A complete set for evacuation at height

EN341 - EN1496

A complete kit for evacuation at heights.

Contents of the rescue kit:

- derope UP A for upwards and downwards evacuation
- 10.5 mm braided rope with a length of 85, 120 or 150 m and 3 M48 tri-lock karabiners
- 1 patented Tractel rope reel
- 1 braided rope protector
- 1 lanyard spreader device witåh connector to keep the rope from the structure
- 1 stopfor K to disconnect the fall arrest lanyard from the user
- 2 strap rings to connect the derope and the pulley onto the structure
- 1 pulley to position the braided rope in the optimal position during descent
- 4 M23 tri-lock connectors
- 1 waterproof box with shock absorbing foam

Advantages:

- Complete with derope UP A for fast and safe evacuation
- Complete equipment ready to use
- Strong and waterproof box
- Overpressure valve to protect against condensation
- Humidity indicator
- Humidity absorption bags
- Storage box seal lets you know if the kit has been opened
- If the seal is unbroken, the kit doesn't require inspection for 5 years

Specification:

- Dimensions (H x L x D): 225 mm x 200 mm x 165 mm
- Max load recovery: 150 kg (400 m) or 225 kg (200 m)
- Descent speed: 0.5 m/s - 2 m/s

Model	Product Code
Derope rescue kit 85 m	222949
Derope rescue kit 120 m	222959
Derope rescue kit 150 m	222969

LSF jumar lanyard

EN354 - CNB/P/11.062

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

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

Model	Product Code
LSF - Jumar	65772

Standard S pulley

EN12278

- Pulley diameter : 27 mm
- Braided rope diameter : 11 mm max
- Material : light alloy
- Overall dimensions : 98 mm
- Weight 75 g

Model	Product Code
Standard S pulley fixed flanges	40162

Standard S pulley opening flanges

EN12278

- Pulley diameter : 27 mm.
- Braided rope diameter : 11 mm max
- Material : steel
- Overall dimensions : 74 mm x 52 mm
- Weight : 165 g

Model	Product Code
Standard S pulley opening flanges	40172

Pulleys / Descent / Climbing

Standard M pulley opening flanges

EN12278

- Pulley diameter : 29 mm
- Braided rope diameter : 16 mm max
- Material : light alloy
- Overall dimensions : 110 mm x 82 mm
- Weight : 260 g

Model	Product Code
Standard M pulley opening flanges	40102

Double in-line pulley

EN12278

- Application : Tyrolienne (Rope bridge) evacuation.
- Pulley diameter : 25 mm
- Braided rope Ø 13 mm max.
- Overall dimensions : 113 mm x 86 mm
- Weight : 180 g

Model	Product Code
Double in-line pulley	40092

Double pulley opening flanges

EN12278

- Pulley diameter : 29 mm.
- Braided rope Ø 16 mm max
- Material : light alloy
- Overall dimensions : 110 mm
- Weight : 460 g.

Model	Product Code
Double pulley opening flanges	40112

Pulleys / Descent / Climbing

Double safety descent device

EN341 - EN12841-C

- Operates with diameter 9 to 12 mm braided rope.
- Fitted with a panic or emergency cut-out device system.
- Weight : 385 g.

Model	Product Code
Double safety descent device	13572

Ascent handle

EN567

2 different kinds of handle, depending on your use. Both are compatible with kermantel rope with a diamter between 8 and 12 mm.

A left and right traditional handles.

A compact handle fitting well in confined space applications.

Model	Product Code
Right handle	20492
Left handle	20502
Ascent handled rope clamp	65742

Pulleys / Descent / Climbing

Ascent foot clamp

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

Model	Product Code
Ascender foot-loop	40122

Anchor plate

EN795-B

- Operates with diameter 8 to 12 mm braided rope.
- Allows to remount on the cord in conjunction with right or left ascent handle.
- Weight : 106 g.

Model	Product Code
Anchor plate	20512

Sternal ascent rope clamp

EN567

Complies with EN 567 standard.

For rope climbing. Self-locking rope clamp for ropes with a diameter of 8 to 12 mm.

A dedicated version for use with the HT Access that can be installed by the user.

Model	Product Code
Sternal ascent rope clamp	66112
Sternal ascent rope clamp for HT Access	86552

Rope protection

- Rope protection against sharp edges.
- Prevents fraying or cutting the rope
- Material : Aluminium

Model	Product Code
Rope protection	72586

Tools for tree surgeons

Anchor line for trees

EN354

Mobile anchor point for attaching the lanyard to a tree branch

Model	Product Code
Anchor line for trees	40982

Arborist braided rope

Tree surgeon lanyard fitted with a buckle at one end.

Model	Product Code
Rope 20m	59512
Rope 30m	59522
Rope 40m	59532
Rope 50m	69952

Adjustable lanyard - LCM 03

EN358 - PPE-R/11.062

The work positioning lanyard LCM03 is a manually adjusted tensioner-reducer. This device works on a low-stretch rope with steel core diameter of 12.5 mm.

The LCM03 is compact and ergonomic and perfectly suited for work positioning.

The lanyard LCM03 is equipped with a compact, ergonomic jaw tensioning device. The device is made of high-strength aluminium. The jaw tensioning device LCM03 slides along the rope . In the event of a fall or loss of balance, the tensioner automatically locks.

The unit is supplied with rope with steel core diameter of 12.5 mm and length of 2m, 3m or 4m, equipped with a connector M10 on the tensioner and a connector M40 on the end of the rope

his lanyard is not a fall arrest.

Model	Length (m)	Product Code
LCM 03 - M42 M10T - 2 m	2	85292
LCM 03 - M42 M10T - 3 m	3	85302
LCM 03 - M42 M10T - 4 m	4	85312
Sleeve	-	18192

Tools for tree surgeons

Prusik knot

Self-locking knot enabling the tree surgeon to move along the aborist rope.

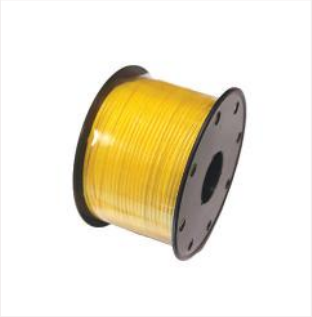
- length 0.6m

Model	Product Code
Prusik knot	40992

Throw bag

Bag for throwing the arborist rope over a branch to create an anchor point. 250 g

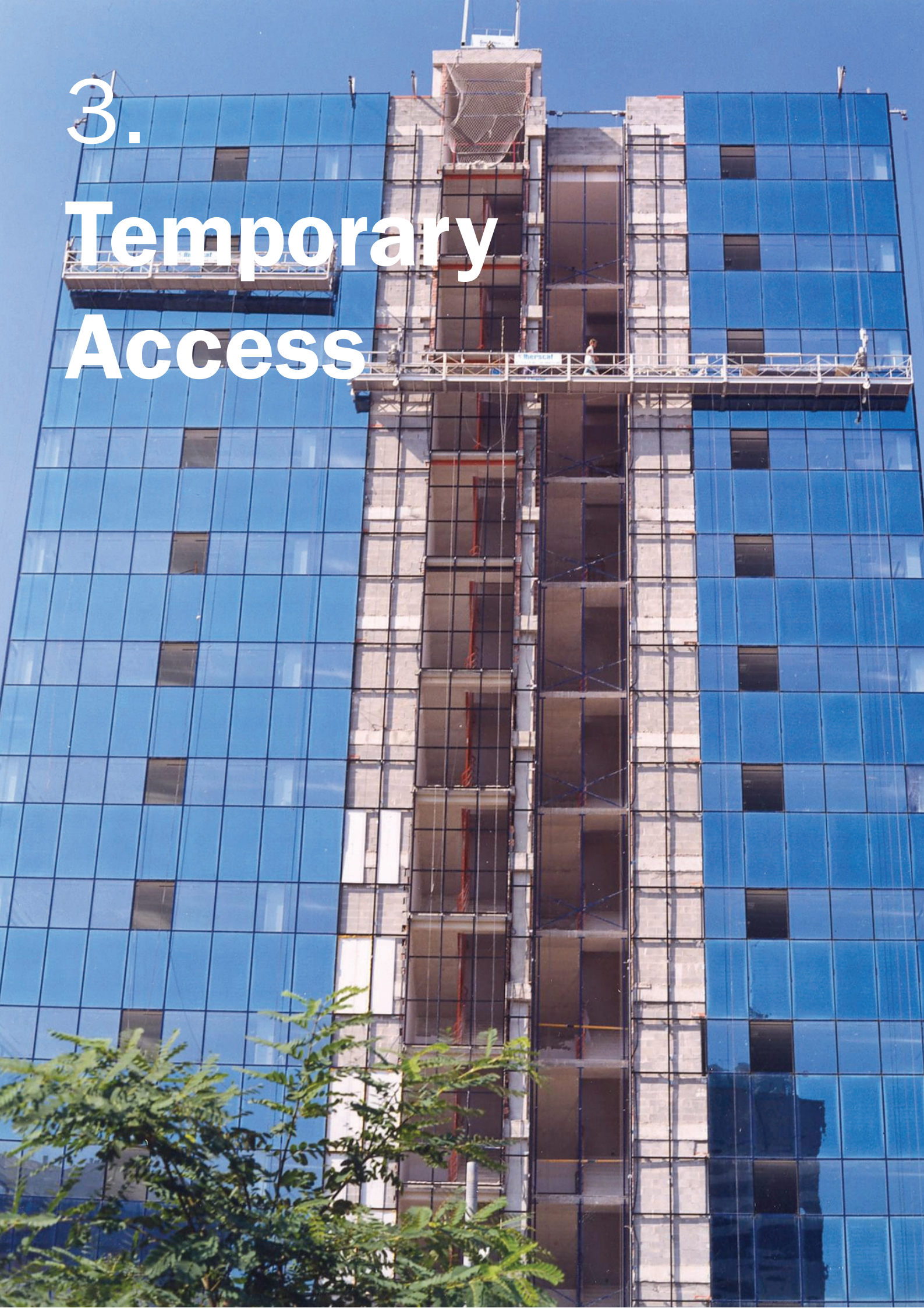
Model	Product Code
Throw bag 250g	53842
Throw bag 350g	59332



50m rope throw line

For using with the throw bag.

Model	Product Code
Rope (for saddle bag)	51922



3. Temporary Access

Manriding Tirak

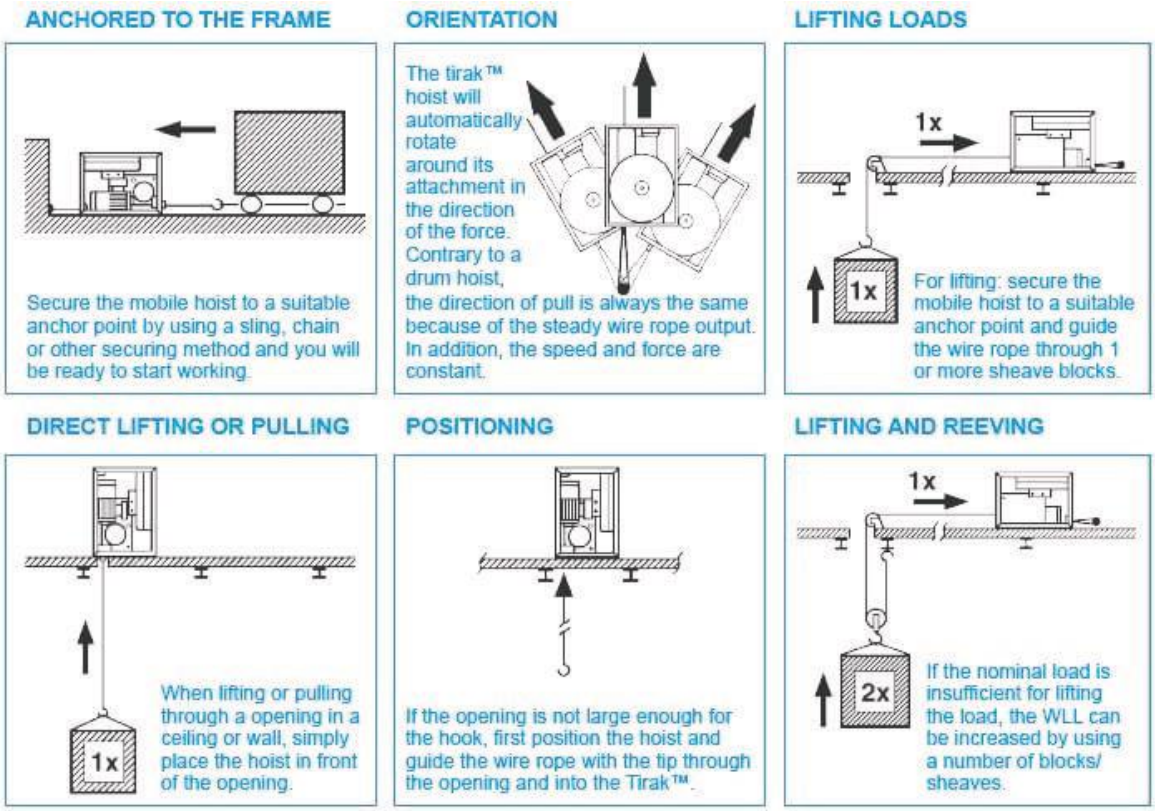
Wherever you need to transport people, the highest safety standards are regulated by law. Certified by an independent notified body in accordance with EN1808, the Tirak meets all these requirements and forms the heart of many access systems.

Advantages of the Tirak hoist:

- Universal use and ideally wherever systems with persons have to be lifted
- Compact dimensions and low weight make simple handling possible and simplify the integration of the Tirak into your own applications to increase productivity and efficiency.
- The low weight of the Tirak enables a higher payload of the system.

A complete range of Tirak models offers payloads from less than 300kg up to 2000kg for Manriding applications.

Tirak application & codes



TYPE CODING STRUCTURE, INFINITE POSSIBILITIES

CUSTOMISATION

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

L 5 0 0 P
X A 5 0 2 P
X 15 3 2

Tirak™-Type
L = 1 driver disc (lightweight)
X = 1 driver disc
T = 2 driver discs

Version
P = Man riding
A = Air operated
D = Dual wire rope Tirak

Capacity [kg]

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

Rope - Ø [mm]

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

Working speed [m/min]

	Kind of motor*	50 Hz	60 Hz	for X 2000 / 3000 50 Hz	for X 2000 / 3000 60 Hz
0 =	3 Ph	9	11	6	7
	or air motor or hydraulic motor				
2 =	3 Ph	18	22	12	14
3 =	3 Ph	9/18	11/22	6/12	7/14
4 =	3 Ph	4.5	5,5	4.5	5.4
5 =	3 Ph	4.5/9	5.5/11	3/6	3.5/7
6 =	3 Ph	4.5/18	5.5/22	3/12	3.5/14
7 =	3 Ph	variable speed (0 to 9 / 18 / 30)			
1=	1 Ph	9	11	——	——

Kind of motor*:
3 Ph = 3 phase motor
1 Ph = single phase motor

[1)] For Material application only

Tirak manriding hoist with pendant control

WLL 300kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X300P	8	9	400	50	2	28	hard-wired pendant control	290899
X300P	8	9	400	50	2	28	pluggable pendant control	290909
X301P	8	9	230	50	5	29	hard wired pendant control	290919
X301P	8	9	230	50	5	29	pluggable pendant control	290929
X302P	8	18	400	50	3,0	28	hard wired pendant control	290939
X302P	8	18	400	50	3,0	28	pluggable pendant control	290949

WLL 400kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X400P	8	9	400	50	2,5	29	hard wired pendant control	290959
X400P	8	9	400	50	2,5	29	pluggable pendant control	290969
X401P	8	9	230	50	6,1	38	hard wired pendant control	290979
X401P	8	9	230	50	6,1	38	pluggable pendant control	290989
X402P	8	18	400	50	3,8	32	hard wired pendant control	290999
X402P	8	18	400	50	3,8	32	pluggable pendant control	291009
X403P	8	9/18	400	50	2,2/4,5	37	hard wired pendant control	291019
X403P	8	9/18	400	50	2,2/4,5	37	pluggable pendant control	291029

WLL 500kg (see next page for remainder)

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
L500P	8	9	400	50	2,5	29	hard wired pendant control	291039
L500P	8	9	400	50	2,5	29	pluggable pendant control	291049
X500P	8	9	400	50	3,1	41	hard wired pendant control	291059
X500P	8	9	400	50	3,1	41	pluggable pendant control	291069
X501P	8	9	230	50	7,6	49	hard wired pendant control	291079
X501P	8	9	230	50	7,6	49	pluggable pendant control	291089

For Tirak accessories please see page 332

Additional information:

- Complete machine delivered with a CE declaration,
- Delivered with 1m power supply cable,
- Ultimate upper limit switch and upper limit switch (redundancy as per EN1808:2015) built on tirak and hard wired
- CE Logo on type label

Tirak manriding hoist with pendant control

WLL 500kg (see previous page for remainder)

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X502P	8	18	400	50	5,5	44	hard wired pendant control	291099
X502P	8	18	400	50	5,5	44	pluggable pendant control	291109
X503P	8	9/18	400	50	3,7/6,6	51	hard wired pendant control	291119
X503P	8	9/18	400	50	3,7/6,6	51	pluggable pendant control	291129

WLL 600kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X600P	8	9	400	50	4,3	53	hard wired pendant control	291139
X600P	8	9	400	50	4,3	53	pluggable pendant control	291149
X601P	8	9	230	50	10	58	hard wired pendant control	291159
X601P	8	9	230	50	10	58	pluggable pendant control	291169
X602P	8	18	400	50	4,8	57	hard wired pendant control	291179
X602P	8	18	400	50	4,8	57	pluggable pendant control	291189
X603P	8	9/18	400	50	4,5/8,7	66	hard wired pendant control	291199
X603P	8	9/18	400	50	4,5/8,7	66	pluggable pendant control	291209
X620P	9	9	400	50	4,3	53	hard wired pendant control	291219
X620P	9	9	400	50	4,3	53	pluggable pendant control	291229
X621P	9	9	230	50	10	58	hard wired pendant control	291239
X621P	9	9	230	50	10	58	pluggable pendant control	291249
X622P	9	18	400	50	4,8	57	hard wired pendant control	291259
X622P	9	18	400	50	4,8	57	pluggable pendant control	291269
X623P	9	9/18	400	50	4,5/8,7	66	hard wired pendant control	291279
X623P	9	9/18	400	50	4,5/8,7	66	pluggable pendant control	291289

For Tirak accessories please see page 332

Additional information

- Complete machine delivered with a CE declaration,
- Delivered with 1m power supply cable,
- Ultimate upper limit switch and upper limit switch (redundancy as per EN1808:2015) built on tirak and hard wired
- CE Logo on type label

Tirak manriding hoist with pendant control

WLL 800kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X820P	9	9	400	50	4,5	47	hard wired pendant control	291299
X820P	9	9	400	50	4,5	47	pluggable pendant control	291309
X823P	9	9/18	400	50	5,5/9,5	53	hard wired pendant control	291319
X823P	9	9/18	400	50	5,5/9,5	53	pluggable pendant control	291329

WLL 1000kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X1030P	10	9	400	50	5,6	47	hard wired pendant control	291339
X1030P	10	9	400	50	5,6	47	pluggable pendant control	291349
X1033P	10	9/18	400	50	5,4/10	58	hard wired pendant control	291359
X1033P	10	9/18	400	50	5,4/10	58	pluggable pendant control	291369

WLL 1150kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X1140P	11	9	400	50	5,6	47	hard-wired pendant control	295939

WLL 2000kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X2050P	14	6	400	50	6	100	hard wired pendant control	291379
X2050P	14	6	400	50	6	100	pluggable pendant control	291389
X2052P	14	12	400	50	10,3	117	hard wired pendant control	291399
X2052P	14	12	400	50	10,3	117	pluggable pendant control	291409
X2058P	14	18	400	50	17	145	hard wired pendant control	291419
X2058P	14	18	400	50	17	145	pluggable pendant control	291429

For Tirak accessories please see page 332

Additional information:

- Complete machine delivered with a CE declaration,
- Delivered with 1m power supply cable,
- Ultimate upper limit switch and upper limit switch (redundancy as per EN1808:2015) built on tirak and hard wired
- CE Logo on type label

Tirak

with connection at central control box

WLL 300kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X300P	8	9	400	50	2	28	188189
X301P	8	9	230	50	5,1	29	188139
X302P	8	18	400	50	3	28	188199

WLL 400kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X400P	8	9	400	50	2,5	29	188259
X401P	8	9	230	50	5,9	32	188329
X402P	8	18	400	50	3,8	32	188279
X403P	8	9/18	400	50	2,2/4,5	36	188299

WLL 500kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X500P	8	9	400	50	3	41	188379
X501P	8	9	230	50	7,6	49	188439
X502P	8	18	400	50	5,3	44	188389
X503P	8	9/18	400	50	3,6/6,5	51	188419
L500P	8	9	400	50	2,5	29	188349

WLL 600kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X620P	9	9	400	50	4,3	43	259709
X621P	9	9	230	50	10	51	259719
X622P	9	18	400	50	5	47	259729
X623P	9	9/18	400	50	4,5/8,7	53	259739

For Tirak accessories please see page 332

Additional information:

- Incomplete machine delivered with a Declaration of incorporation to be integraded in a complete system,
- Delivered with 1m power supply cable,
- No plugs available for path limitation switches, to be installed & hard wired on site,
- No CE logo on the type label.

Tirak

with connection at central control box

WLL 800kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X820P	9	9	400	50	4,5	47	188509
X823P	9	9/18	400	50	5,3/9,3	53	188519

WLL 1000kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X1030P	10	9	400	50	5,3	47	188549
X1033P	10	9/18	400	50	5,5/9,8	58	217149

WLL 2000kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X2050P	14	6	400	50	6,1	100	188569
X2052P	14	12	400	50	10	117	188579

For Tirak accessories please see page 332

Additional information:

- Incomplete machine delivered with a Declaration of incorporation to be integraded in a complete system,
- Delivered with 1m power supply cable,
- No plugs available for path limitation switches, to be installed & hard wired on site,
- No CE logo on the type label.

Accessories for Tirak manriding

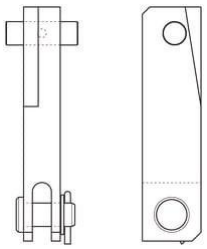
Transport trolley for Tirak

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

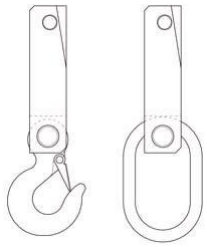
Model	Product Code
transport trolley for Tirak	247329

Suspension Adapters for Tirak Hoists

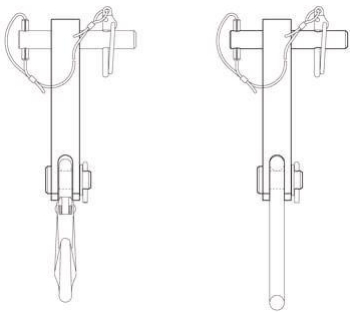
Model	Description	Product Code
Type A	Suspension adapter for X500-X1530	48657
Type B	Suspension adapter with hook. For X500-X1530	48727
Type B	Suspension adapter with eye. For X500-X1530	48717
Type C	Suspension adapter with removable hook. For X300/L500	180157
Type C	Suspension adapter wth removable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



Typ A



Typ B



Typ C

Tirak packaging

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

Tirak accessoires

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

Maxiflex wire rope is also available per metre. Ask our Customer Service for the possibilities.

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.

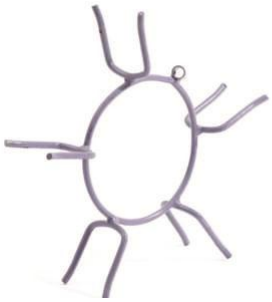
- Non-rotating rope for non-guided loads
- Developed especially for Tirak
- Including certificate
- Available in any required length
- Standard version with tip and hook
- Hook with safety catch
- Also available on a drum reel and available in any required length

Model	Description
Wire rope 8.3mm	Ordered per metre
Wire rope 9.5mm	Ordered per metre
Wire rope 10.2mm	Ordered per metre
Wire rope 14.3mm	Ordered per metre

Reels for Maxiflex wire rope

Model	Product Code
reel No. 0 - small	889
reel No. 1 - standard	909
Reel No. 2 - medium	939
reel No. 3 - double	899
drum reel 200	878
drum reel 300	868
drum reel 400	858

reel



drum reel

	Wire rope diameter and capacity per metre					
Type:	6mm	8mm	9mm	10mm	14mm	Code:
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.

Manriding Tirfor

Tirfor TU P

Tirfor TU6 P

Tirfor TU12 P

Tirfor TU24 P

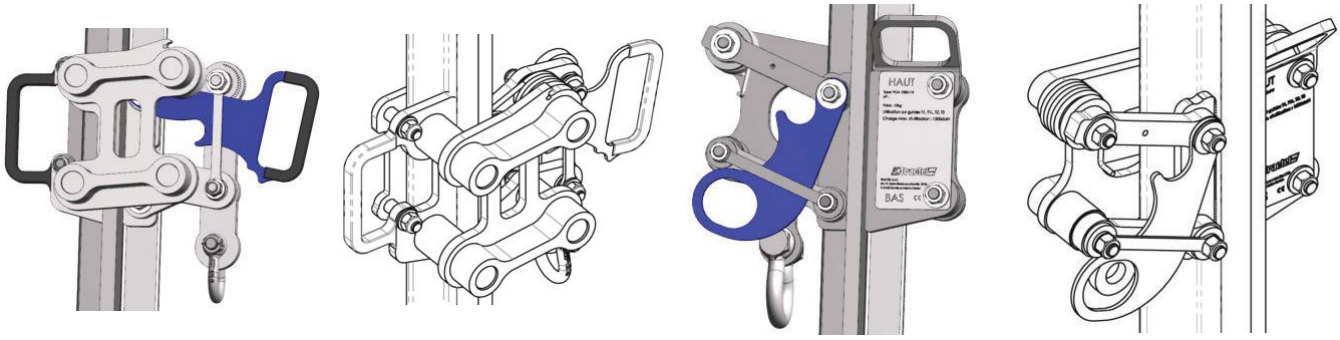
- Certified for man riding according to EN 1808
- Blocstop BSA on secondary safety rope
- Quick installation
- There is no limitation of rope length
- It is quickly installed in any location and can be used where there is no power supply
- Shear pin overload protection incorporated in the forward lever handle

Model	WLL	Wire Rope Diameter (mm)	Length (cm)	Height (cm)	Depth (cm)	Weight (kg)	Product Code
TU 6 P & BSA 15.301	600	8,3	527	265	108	13,4	24609
TU 12 P & BSA 20.301	1,200	11,5	660	330	140	26,4	24619
TU 24 P & BSA 35.30	2,400	16,3	676	330	156	39,1	24629

For the material handling version of the Tirfor, please see page 8

Blocstop BSA

Safety parking clamp



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

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

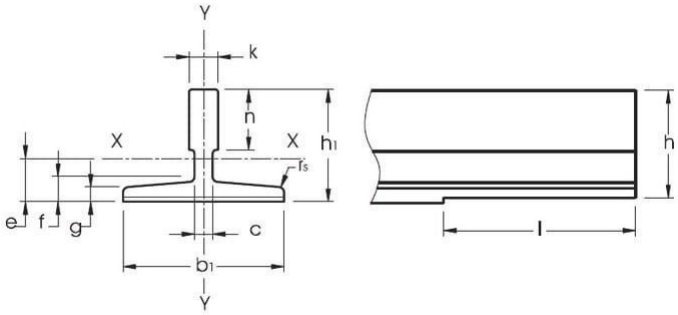
- The **back** Safety parking clamp (BSPC), is attached to the back of the guiding rail of the elevator platform.
- The back safety parking clamp has a wider range but, it requires enough free space at the back of the rail (110 mm without the shackle, ~120 mm with the shackle) to be installed, and is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

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

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

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

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



Manriding trolleys

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
- In accordance with the EN1808 -2006/42/EC directive
- Range 500 to 3,000 kg
- With integrated brake
- Perfect stability
- Suspension eye
- Simple adjusting device

Model	WLL manriding	Weight (kg)	Flange Width (mm)	Min.Radius (mm)	Product Code
PT 0,5	500	8.5	62 - 220	900	183019
PT 0,5	500	10	220 - 300	900	183029
PT 1,0	1000	10.5	58 - 220	1000	183039
PT 1,0	1000	14	220 - 300	1000	183049
PT 2,0	2000	18	68 - 220	1200	183059
PT 2,0	2000	21.6	220 - 300	1200	183069
PT 3,0	3000	32	74 - 220	1300	183079
PT 3,0	3000	35	220 - 300	1300	183089

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.

- Man-riding transport
- Range 1,000 to 7,000 kg
- In accordance with the EN1808 - 2006/42/EC directive
- Perfect stability
- Suspension eye
- Simple adjusting device

Model	WLL manriding	Weight (kg)	Flange Width (mm)	Product Code
LT-1B	1000	4.8	75 - 230	183209
LT-2B	2000	5.6	75 - 230	183219
LT-3B	2500	11	80 - 330	183229
LT-5B	3000	12.3	80 - 330	183329
LT-10B	7000	21	80 - 320	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 6. Maximum quantities apply for this service.

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

Manriding trolleys

Corso manual/geared trolley for manriding

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
- In accordance with the EN1808 -2006/42/EC directive
- Range 1,000 to 3,000 kg
- With integrated brake
- Perfect stability
- Suspension eye
- Simple adjusting device

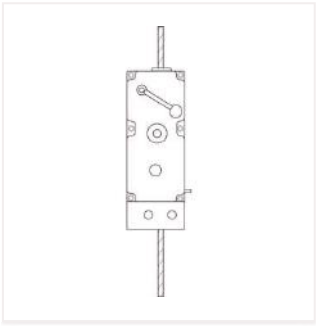
Model	WLL manriding	Weight (kg)	Flange Width (mm)	Min.Radius (mm)	Product Code
DT 1,0	1000	19,8	58 - 220	1000	183099
DT 1,0	1000	20.5	220 - 300	1000	183109
DT 2,0	2000	22.5	66 - 220	1200	183119
DT 2,0	2000	24	220 - 300	1200	183129
DT 3,0	3000	37.5	74 - 220	1300	183139
DT 3,0	3000	39	220 - 300	1300	183149

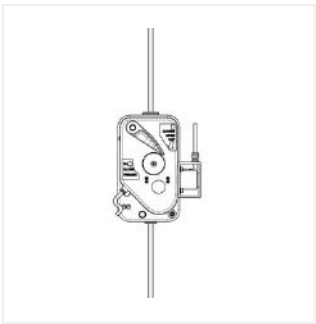
Order products on day 1, will be shipped no later than day 2,

Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

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

Fall arrest device Blocstop





An additional safety system in accordance with DIN EN 1808 is mandatory in man riding applications. The system is used to secure the work basket or the platform on which personnel are working against falling.

That is precisely what our Blocstop BSO does. It is small, light and compact and attached to the working platform 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.

All of the BSO models can be equipped with an electric switch which immediately switches off the Tirak if triggered, for example.
This option increases safety in the event of an emergency stop as it prevents rope slack above the platform.

Fall arrest Blocstop

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.

We are constantly working to improve our products. With the 2021 generation of BSO, we were able to reduce the shock factor in case of a fall.

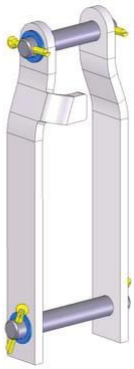
Model	Forward Speed (m/min)	Wire Rope Diameter (mm)	WLL manriding	Description	Product Code
BSO 500 P	30	8	600	-	291569
BSO 500E P	30	8	600	with limit switch and 2m cable fitted with plug for tirak connection	291579
BSO 520 P	30	9	600	-	291589
BSO 520E P	30	9	600	with limit switch and 2m cable fitted with plug for tirak connection	291599
BSO 1020 P	30	9	800	-	291609
BSO 1020E P	30	9	800	with limit switch and 2m cable fitted with plug for tirak connection	291619
BSO 1020EFA P	30	9	800	with remote triggering of the BSO	291629
BSO 1030 P	30	10	1000	-	291639
BSO 1030E P	30	10	1000	with limit switch and 2m cable fitted with plug for tirak connection	291649
BSO 1030EFA P	30	10	1000	with remote triggering of the BSO	291659
BSO 1040 P	30	11	1200	-	291669
BSO 1040E P	30	11	1200	with limit switch and 2m cable fitted with plug for tirak connection	291679
BSO 1040EFA P	30	11	1200	with remote triggering of the BSO	291689
BSO 2050 P	30	14	2000	-	291699
BSO 2050E P	30	14	2000	with limit switch and 2m cable fitted with plug for tirak connection	291709
BSO 2050EFA P	30	14	2000	with remote triggering of the BSO	291719

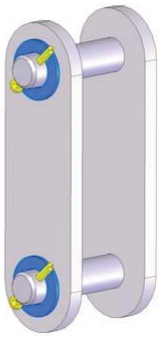
Fall arrest Blocstop BSO

Model	Forward Speed (m/min)	Wire Rope Diameter (mm)	WLL manriding	Description	Product Code
BSO 2460 P	30	16	2400	-	291789
BSO 2460E P	30	16	2400	with limit switch and 2m cable fitted with plug for tirak connection	291799

Set of straps

Model	Product Code
straps for BSO 510 - 1044	42517
straps for BSO 2050 - 3060	198247





Counterweights

Model	Product Code
Counterweight for BSO 510-1044	21488
Counterweight for BSO 2050-3060	199487

Counterweight for BSO 510 - 1044

Counterweight for BSO 2050 - 3060

The Blocstop family includes two additional models: the BSA and the BS.

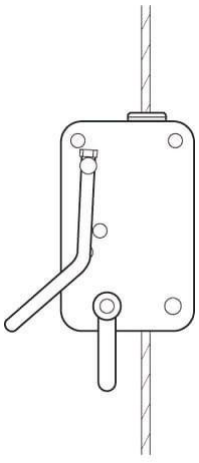
In contrast to the BSO, the BSA's clamping jaws are not triggered by excessive speed but rather by monitoring the suspension rope. The BSA is held open by a lever which is supported on the suspension rope by a roller. If the suspension rope breaks then this support stops and the BSA closes.In precisely the same way as the BSO, the clamping jaws clamp the safety rope and prevent the load or the platform from falling.
On platforms with two suspension points, arranging the suspension and safety ropes in parallel enables the system to monitor the tilt of the platform. If one side of the platform descends then the BSA closes on the lower side, catching the platform before the tilt reaches a critical angle.

Fall arrest Blocstop BSA

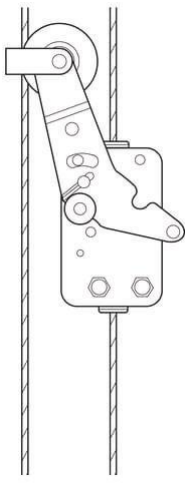
Model	WLL manriding	WLL	Wire Rope Diameter (mm)	Product Code
BSA 15.301	600	600	8,3	3279
BSA 20.300	600	600	8,3	15939
BSA 15.303	800	800	9.5	6019
BSA 20.303	800	800	9.5	15949
BSA 20.304	1000	1,000	10.2	6039
BSA 20.301	1200	1,200	11.5	15049
BSA 35.304	2000	2,000	14.3	35329
BSA 35.30	2400	2,400	16.3	17999

Blocstop BS load arrester

Model	WLL	Wire Rope Diameter (mm)	Product Code
BS 15-301	800	8,3	3219
BS 20-300	800	8,3	15929
BS 20-303	1,000	9,5	3239
BS 20-301	1,600	11,5	3129
BS 35-304	3,000	14,3	35319
BS 35-300	3,200	16,3	3149



Blocstop BS



Blocstop BSA

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 6. Maximum quantities apply for this service.

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

Platforms

Rotorblade maintenance platform UVM10L

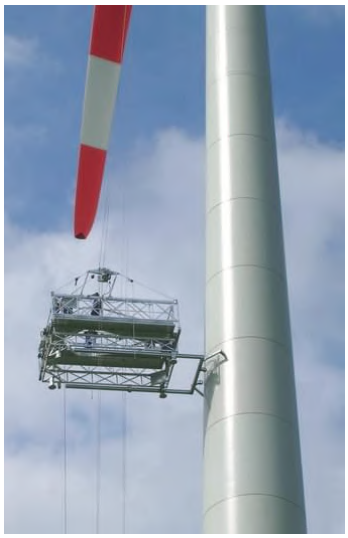
The Blade Maintenance Platform UVM10L is used as a rotor blade traversing system for the temporary insepction of rotor blades in wind energy systems fitted on circular steel or concrete towers. The UMV10L is an easy to install solution to reach most of the installed blades of about 2MW turbines.

UVM10L consists of three main functional groups and it is made entirely from welded aluminium:

- Two asymmetric working half-platforms connected to the base frame by an undercarriage. They can be moved apart or closer together separately or at the same time in order to adjust them precisely to different rotor blade cross-sections.
- One base support frame with side mounted trapezoids, on which the hoist parallelograms plus Tirak rope hoists (X1030 P) and Blocstop fall arrest devices (BSO 1030 EFA) are fitted
- An electric positioning frame with adjustable bumper rollers ensures a stabile ascent and descent along the turbine mast

UVM10L main safety features among many others are:

- Automatic triggering of the Blocstop fall arrest device in case of inclination of the platform and overspeed
- Emergency Power Supply: if power supply fails an emergency descent is always possible
- Sliding clutches : the gear motors for the two platform halves are fitted with sliding clutches to prevent damage if any of the components are blocked during intentional movement
- The parallelogram inclination can be adjusted using the Bravo lever hoists and this ensures that the platform's centre of gravity can be re-aligned at anytime. Monitoring of the wind speed and visual alarm for the operators.



Model	Lifting Height (m)	Frequency (Hz)	Voltage (V)	Product Code
UVM10L 50Hz 130m	130	50	400	282009
UVM10L 50Hz 150m	150	50	400	282029
UVM10L 50Hz 130m asym	130	50	400	282049
UVM10L 50Hz 150m asym	150	50	400	282069

Accessories for UVM 10L

Model	Product Code
Transport trailer SP 3502	188335
Counterweight for trailer	187687
tower support 1,6 m	202127
tower support 2,0 m	229337
tower support 3,0 m	229347
Protection bush for rope through	200765
Limit switch adjustment for external overload	196427
Hoisttrapezoid 1000 kg	196397
Hoisttrapezoid 1250 kg	196407
Blade support	202147
Control set 50 Hz 2,4 GHz	240067
Control Set 60 Hz 2,4 GHz	240077

Platform C5 & CT5

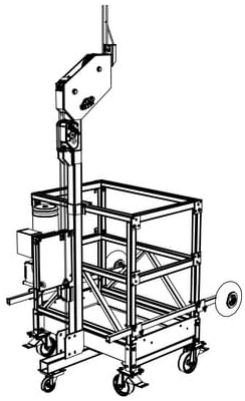
C5 & CT5 platforms have been especially developed to be used inside or outside for temporary inspection of wind energy systems (e.g. on round steel or concrete towers of wind turbines or chimneys). The platform are designed to be compact. The maximum lifting capacity of the C5 platform is 240kg.

Main advantages:

- Proven Tirak technology,
- Low weight,
- No assembly time,
- Low installation height.

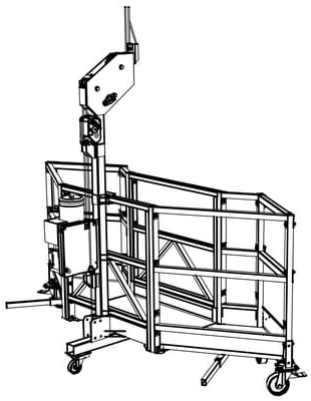
C5-1L

Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
C5 1L	400	50	8	240	259459
C5 1L	690	50	8	240	259559
C5 1L	400	50	9	240	110269
C5 1L	690	50	9	240	259619
C5 1L2W	400	50	8	240	212699
C5 1L2W	690	50	8	240	259569
C5 1L2W	400	50	9	240	259509
C5 1L2W	690	50	9	240	259629



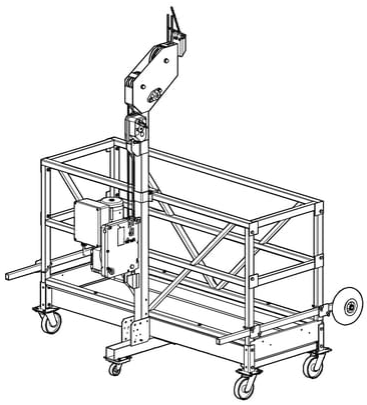
C5-1L2W

Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
C5 2L	690	50	8	240	259549
C5 2L	400	50	9	240	110279
C5 2L	690	50	9	240	259609
CT5 1L	400	50	8	300	212689
CT5 1L	400	50	9	300	212749
CT5 1L	690	50	8	300	212799
CT5 1L	690	50	9	300	212859
CT5 1L2W	400	50	8	300	259469



C5-2L

Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
CT5 1L2W	690	50	8	300	212809
CT5 1L2W	400	50	9	300	110289
CT5 1L2W	690	50	9	300	212869
CT5 2L	400	50	8	300	212649
CT5 2L	690	50	8	300	212789
CT5 2L	400	50	9	300	212739
CT5 2L	690	50	9	300	212849



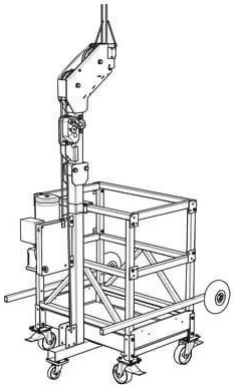
Order products on day 1, will be shipped no later than day 2,

Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

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

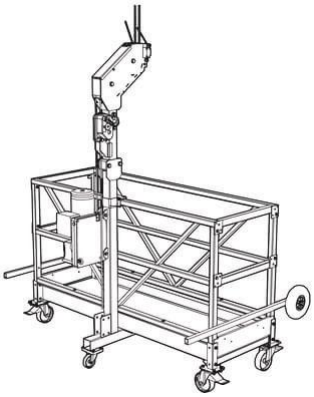
Platform CT5

In addition to the C5 platform advantages and features, the CT5 platforms include a foldable support frame easing the transportation.



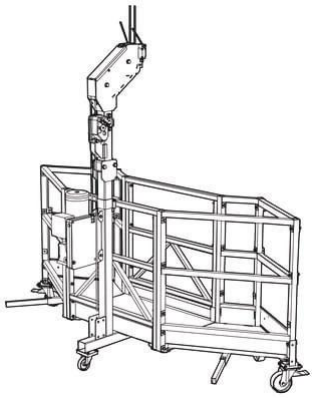
CT5-1L

Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
CT5 1L	400	50	9	300	212749
CT5 1L	690	50	8	300	212799
CT5 1L	690	50	9	300	212859
CT5 1L2W	400	50	8	300	259469



CT5-1L2W

Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
CT5 1L2W	690	50	8	300	212809
CT5 1L2W	400	50	9	300	110289
CT5 1L2W	690	50	9	300	212869
CT5 2L	400	50	8	300	212649



CT5-2L

Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
CT5 2L	690	50	8	300	212789
CT5 2L	400	50	9	300	212739
CT5 2L	690	50	9	300	212849

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 6. Maximum quantities apply for this service.

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

Suspension equipment

Portafix A

Model	Product Code
Portafix A	61408
Portafix B	61368
Portafix C	61428

Accessories for Portafix C

Model	Product Code
Complement for portafix C	61328
Counterweight 25kg	3378
Front cross bar extension for Portafix C	71347
Guying wire rope + anchor brackets for portafix	3278
Mobile counterweight cross bar + locking system	61388
Mobile front cross bar with height adjuster	61338
Portafix counterweight table plate	84295
Portafix assembly instructions plate	84615
Rear castor wheel (without brake)	47836
Rear height adjuster	3348
Rear safety anchor assembly complete	3268
Reinforcing bracket	7827
Standard telescopic jib complete	3308

Omega parapet clamp

OMEGA parapet clamp is a temporary access solution when the parapet is sufficiently strong (reinforced concrete etc), it can be directly attached on it. It is delivered ready for use, with rollers allowing easy transversal motion.

Model	Product Code
Omega parapet clamp	8698
Rear safety anchor assembly complete	3268

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 6. Maximum quantities apply for this service.

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

Working baskets

Solo platform for temporary access

Solo work platform equipped with Tirak X-300P series electric hoist.

Supplied as a kit to be assembled.

Suspension wire ropes and electrical cable to be supplied separately.

Model	Product Code
Solo with Tirak X-300P - 3PH - 50Hz	55609
Solo with Tirak X-301P - 1PH - 50Hz	55619

Solo components and accessories

Model	Product Code
Ballast weight 9.5 kg	21488
Buffer plate for limit switch	7488
Foam facade protection roller dia. 145x 240 mm	7758
Lower stirrup for Tirak X-300	27737
Pneumatic facade protection wheel on sliding bar	3438

Working seats

Solsit motorised work seat

The Solsit, motorised seat for inspection and maintenance, has been specifically designed for man riding applications.

The Solsit is suitable for many light jobs and is fitted with a Tirak X-300P series hoist (single or 3 PH, 50 or 60 Hz, on request).

The working height is limited only by the lenght of the wire rope supplied.

Supplied as an assembky including ballast weight, quality control and testing.

Suspension wire rope and electrical cable to be supply separely.

Model	Product Code
Solsit with Tirak X-300P - 3PH - 50Hz	55649
Solsit with Tirak X-301P - 1PH - 50Hz	55659

Solsit components & accessories

Model	Product Code
Set of 2 rubber roles	14828
Work seat with belt and handle, without tirak™/BSO and accessories	14798

Subito manual work seat

The Subito seat is a one-man suspended work seat used for temporary work purposes such as inspection, maintenance and cleaning at height.

Supplied as an assembly including ballast weight, quality control and testing.

Suspension wire rope and electrical cable to be supply separely.

Model	Product Code
Subito with Scafor	25429

Subito components & accessories

Model	Product Code
Scafor 406, 120 kg, Ø 6,5mm	16408
Subito frame with wheels	28398

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 6. Maximum quantities apply for this service.

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

Platform ALTA

Alta L and Alta S

ALTA L

ALTA S

The suspended working platform installation kit consists of
- Platform Alta L or Alta S equipped with electric winch Tirak or manual winch Scafor
- Wire ropes with Blocstop BSO fall protection attached to Portafix or Omega

Modular design.
The unique concept of these aluminium plalforms consists in the fact that working platforms of 2 and 3 m, working platforms from 2 to 18 m in length can be constructed.

Robust and lightweight.
Weight is an important consideration and for this reason the platforms and railings are made of aluminium.
For safety reasons, the yokes and connecting components are made of galvanised steel.

These platforms are an excellent alternative to classic scaffolding as they can easily reach all places on the facade of a building. They are a good long-term investment as they are light, safe, easy to assemble and, most importantly, very durable and of high quality.

Two models available depending on the type of work to be carried out and demand:

Alta L

A model perfectly suited to lighter work such as painting, renovation, small installations or repairs or window cleaning.

Technical data:

- For 2 up to 6 users
- Length: up to 15 m
- Internal width: 0.6 m
- Maximum working load: 120kg/m

Alta S

Reinforced model for use during construction work, installation of stone facades, accessing chimneys and silos etc.
It is perfect for hire.

Technical data:

- For 2 up to 8 users
- Length: up to 18 m
- Internal width: 0.68 m
- Maximum working load: 140kg/m

Three types of stirrups to meet the customers´requirements:

End stirrups

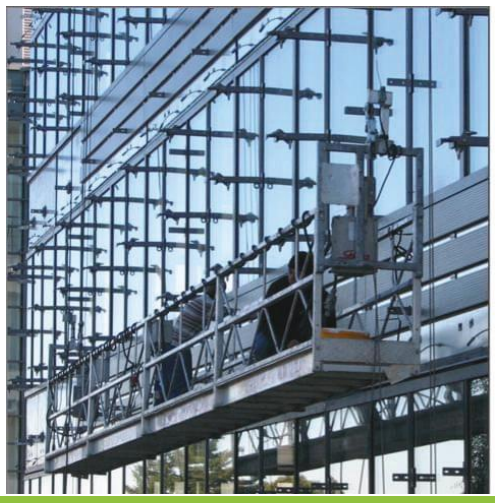
Economical and lightweight solution. Up to 12m for Alta L and up to 15m for Alta S.

Frame stirrups

Ends are clear and accessible.Upper part is compatible with the end stirrups. Maximum lenght are 15m for Alta L and 18m for Alta S.

Folding C stirrup

Placed at the rear of the platform, behind the workers. Ends are clear and easily accessible. Maximum length are 15m for Alta L and 18m for Alta S.



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 y 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 y 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 , 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 - TThe 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 separa ely, 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 o 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.

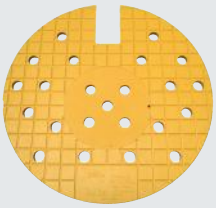
Para 2 - All offers and quotations from Tractel and agreements concluded with Tractel and all contracts arising from them are governed exclusively by Dutch law. The applicability of the Vienna International Sales Convention (CISG) and any other international sales conventions is excluded.

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.

Volt trac

Blocmat
Lanyard



Cover Manhole

LSF

M24

Radio control for
Minifor et Volt trac "scope standard"

Our global presence

Tractel office

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