Tractel®

CATALOGUE

1C/10 rev. 1

Lifting and handling
Measure and control
Temporary access
Height safety

™

Canada

www.tractel.com

● Distribution center

Tractel® has sales representation in all the major markets across North America for fast and reliable service.

NORTH AMERICA LOCATIONS

UNITED STATES OF AMERICA

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tractel.usa-east@tractel.com
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Norwood, MA 02062
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Fax: (781) 828-7600

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Local: (626) 937-6727
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CANADA

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Tractel Ltd. – Toronto
1 (800) 561-3229
tractel.canada@tractel.com
1615 Warden Ave
Scarborough, Ontario M1R 2T3

Tractel®

Founded in 1941, the Tractel® group, through its worldwide manufacturing and distribution network, provides products and services to the material handling, suspended access and fall protection industries. The Tractel® Group has distribution and representation through companies in 17 countries and representatives in every major international market.

For over 70 years, Tractel® has been designing and manufacturing innovative products and solutions for lifting, pulling and supporting all kinds of loads in dynamic environments. With the help of our time and field tested technologies, we have become a world leader in the material handling market. Our lifting and pulling equipment, such as the griphoist®/tirfor® and the tirak®-gripwinch®, are known worldwide. Whether your applications require light or heavy-duty equipment, Tractel® has the product to get the job done.

We have been keeping workers suspended safely at heights for over 35 years with our tough and secure lifting and access platform technologies. It was only logical that we would want to mobilize all our ingenuity in working at heights to protect workers from falls.

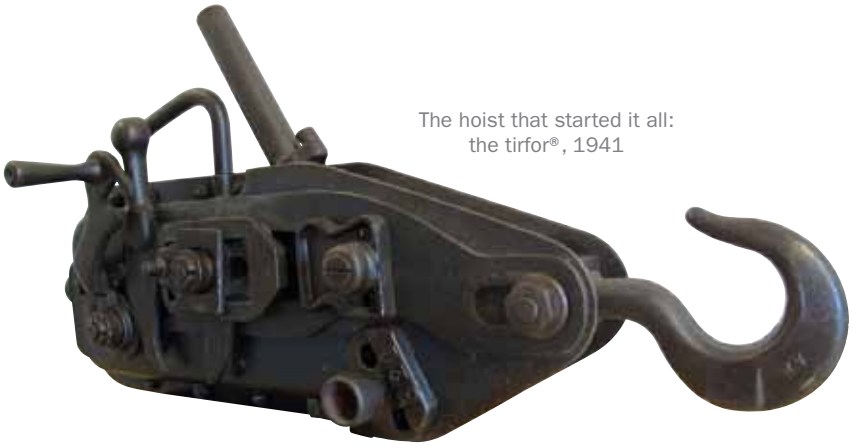
Over 70 years of mechanical design expertise has allowed Tractel®, to introduce innovative products into the fall protection industry.

We offer a complete fall protection system, from full body harnesses and lanyards to patented devices such as the travsafe® lifeline system, the blocfor® self-retracting lifeline and the stopfor® rope grabs.

Our equipment are engineered and manufactured to meet and exceed the highest standards in the industry (OSHA, ANSI, CSA).

All our products are submitted and approved by certified testing agencies.

Our history is our guarantee of quality, making Tractel® the trusted name in the industry. For solutions in lifting or pulling and fall protection, call Tractel®.

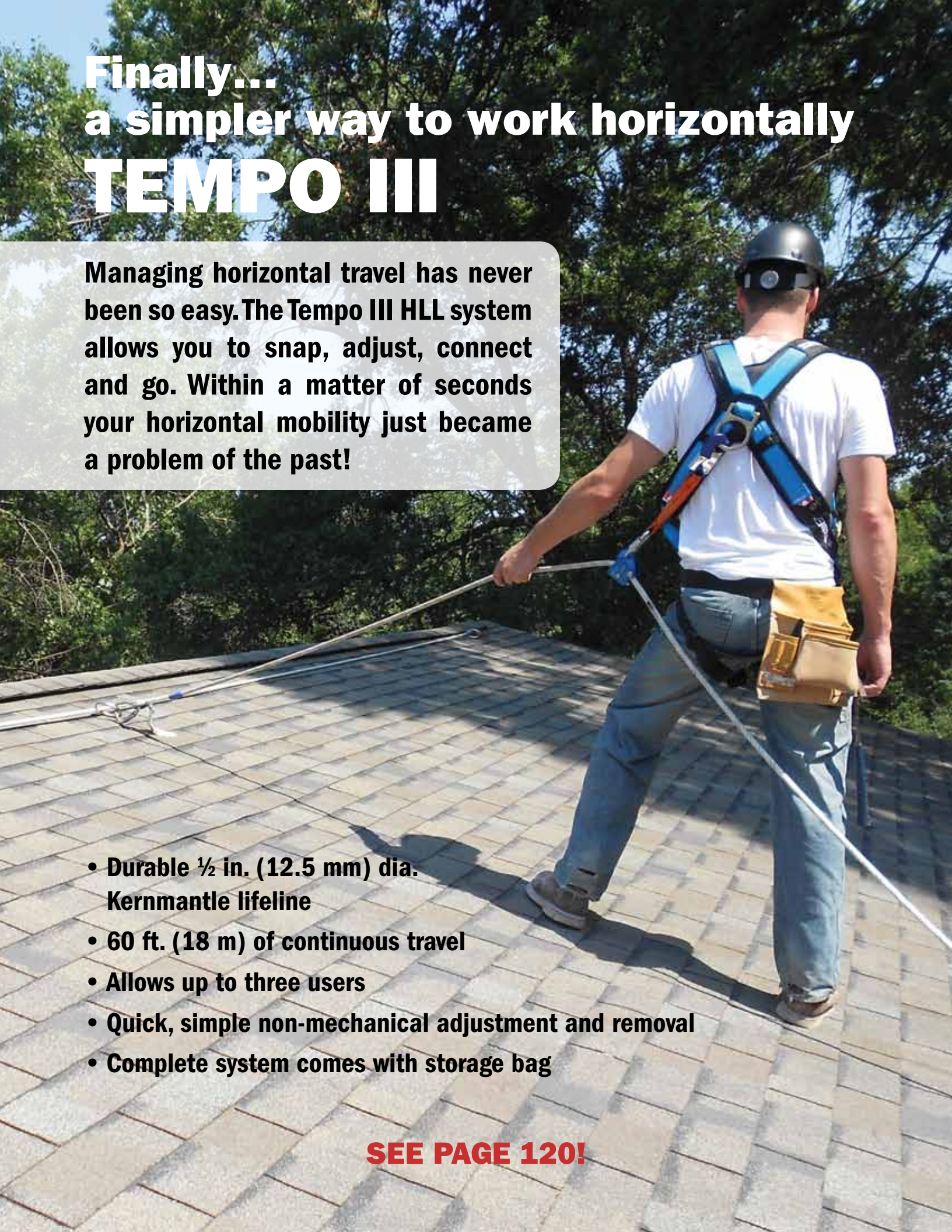


The hoist that started it all:
the tirfor®, 1941

summary

summary

summary



Finally…
a simpler way to work horizontally
TEMPO III

Managing horizontal travel has never been so easy. The Tempo III HLL system allows you to snap, adjust, connect and go. Within a matter of seconds your horizontal mobility just became a problem of the past!

- **Durable ½ in. (12.5 mm) dia. Kernmantle lifeline**
- **60 ft. (18 m) of continuous travel**
- **Allows up to three users**
- **Quick, simple non-mechanical adjustment and removal**
- **Complete system comes with storage bag**

SEE PAGE 120!

MATERIAL HANDLING

tirfor®
wire rope hoists

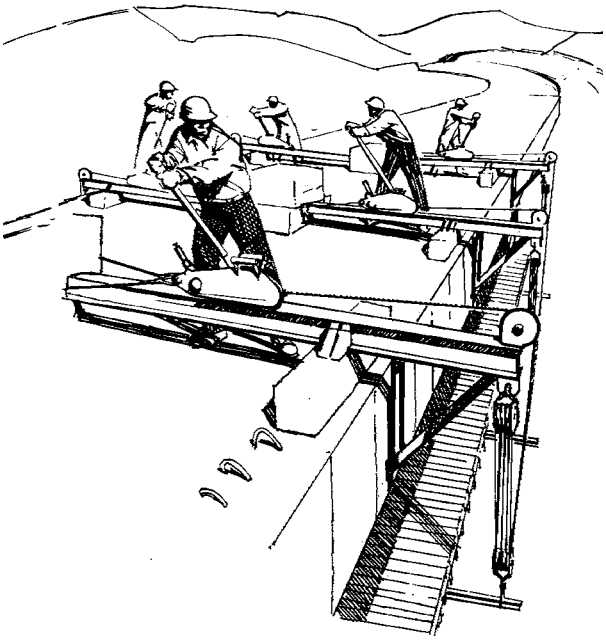
The tirfor® lifting and pulling hoists are safe, reliable and efficient. Suitable for many applications, the tirfor® is a lever-operated wire rope hoist using a separate wire rope. One-man operated, using a telescopic operating handle, they can work in any position and over any height of lift. They can replace conventional winches and other hoists for many applications. Best uses are when doing long pulls or when requirements call for increasing capacity.

MULTIPLE OPERATION
- Works in any position; horizontal, vertical or angled
- Unlimited length of wire rope
- Increase the nominal capacity with multiple sheave blocks
- Long length of wire rope much easier to handle than chain

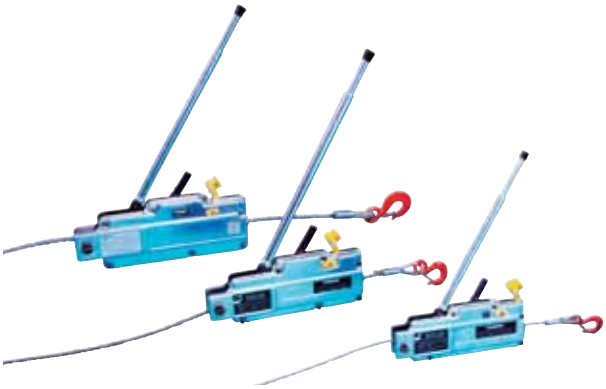
SIMPLE
- Fast and easy installation and use
- Simple to install or remove the wire rope
- Continuous operation without jerking
- Reduced maintenance with simple cleaning and regular lubrication
- Change from forward to reverse operation by transferring the operating handle from one lever to another

HEAVY DUTY
- High mechanical advantage
- Both ranges will operate in the most difficult conditions

SAFE AND RELIABLE
- The load is always permanently controlled in the utmost precision: when operation stops, the load is distributed on two jaw blocks
- TU range “UL” classified for man-riding applications for use as a scaffold hoist
- Each hoist is equipped with overload shear pins

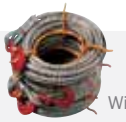


INCREASE OF LIFTING AND PULLING POWER
It is possible for lifting and pulling applications to increase the capacity of the tirfor® by using multiple sheave blocks without the user being directly in front of load.



CHOICE
Light and compact, the tirfor® T500D machines are easy to handle, provided a high mechanical advantage and are economical.

POWERFUL
tirfor® TU machines are in daily operations on construction sites around the world putting power where it is needed for lifting, pulling and handling a wide variety of loads.

See also:

Wire rope
p. 20


Wire grippers
p. 22


Hooks
and pulleys
p. 23


tirfor®
wire rope hoists

CONSTRUCTION, PUBLIC WORKS, CIVIL ENGINEERING
- Moving and positioning formwork horizontally or vertically
- Positioning section or precast concrete beams
- Lifting work platforms or suspended working platforms
- Dragging, general lifting, guying, tensioning, etc.

BRIDGES
- Positioning formwork
- Guy-wire tensioning
- Pulling pre-cast concrete beams
- Suspending inspection and maintenance platforms

STEEL STRUCTURES
- Plumbing or aligning steel structures
- Erecting steel silos / structures

INDUSTRY
- Installation and removal of machine tools and presses
- Loading and unloading of heavy equipment
- Lifting and pulling during maintenance operations

ESCALATORS, ELEVATORS
- Loading, unloading and rigging of escalators
- Lifting and positioning cars and hoisting mechanisms

ELECTRICITY AND TELECOMMUNICATIONS
- Positioning transformers
- Erection of mobile aerials and antennas
- Tensioning underground and overhead cables
- Guy rope tensioning operations
- Each hoist is equipped with overload shear pins

OIL AND CHEMICAL INDUSTRIES
- Controlled positioning and assembly of pipes and ducting
- Tensioning guy ropes for silos des and tanks during construction
- Inspection andmaintenance work

ENTERTAINMENT
- Raising and lowering tents
- Tensioning of guy ropes
- TU series are man-riding rated by UL

MODEL	TU17	TU28	TU32	T508D	T516D	T532D
Nominal capacity	2,000 lbs.	4,000 lbs.	8,000 lbs.	2,000 lbs.	4,000 lbs.	8,000 lbs.
Unit weight	18.5 lbs. (8.4 kg)	41 lbs. (18.6 kg)	59.5 lbs. (27 kg)	14.25 lbs. (6.6 kg)	30 lbs. (13.5 kg)	51 lbs. (24 kg)
Rope travel/ stroke lifting	2 in. (50 mm)	2.2 in. (56 mm)	1.2 in. (30 mm)	1.8 in. (46 m)	1.7 in. (42 mm)	0.7 in. (18 mm)
Machine dimensions	20¾ x 9¾ x 4½ in. (825 x 284 x 113 mm)	26 x 13 x 5¾ in. (660 x 360 x 145 mm)	27 x 13 x 6⅛ in. (685 x 365 x 156 mm)	16½ x 9⅞ x 3⅞ in. (420 x 250 x 99 mm)	20⅞ x 12 7/16 x 5 in. (530 x 315 x 127 mm)	24 7/16 x 14 x 5⅛ in. (631 x 357 x 148 mm)
Handle (closed–ext.)	18–28 in. (450–730 mm)	26–45 in. (648–1,147 mm)	26–45 in. (648–1,147 mm)	16–27 in. (405–690 mm)	26–45 in. (648–1,147 mm)	26–45 in. (648–1,147 mm)
Wire rope dia.	5/16 in. (8.4 mm)	7/16 in. (11.5 mm)	⅝ in. (16.3 mm)	5/16 in. (8.4 mm)	7/16 in. (11.5 mm)	⅝ in. (16.3 mm)
Min. wire rope breaking strength	10,000 lbs. (4,500 kg)	20,000 lbs. (9,000 kg)	40,000 lbs. (18,000 kg)	10,000 lbs. (4,500 kg)	20,000 lbs. (9,000 kg)	40,000 lbs. (18,000 kg)
Wire rope weight	8 lbs./30 ft. (3.6 kg/9 m)	28.9 lbs./60 ft. (13 kg/18 m)	8 lbs./30 ft. (3.5 kg/9 m)	8 lbs./30 ft. (3.5 kg/9 m)	28.9 lbs./60 ft. (13 kg/18 m)	8 lbs./30 ft. (3.5 kg/9 m)

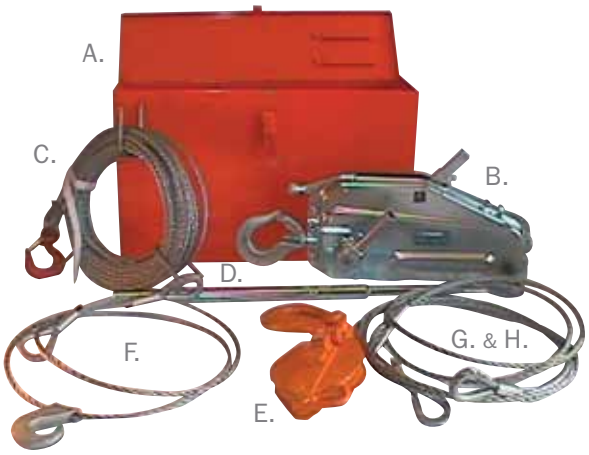
Capacities shown for material handling only—For man-riding capacities see page 59.

tirfor®
rescue kit

Easily and quickly set up, the tirfor® rescue kits lift, pull and lower loads to save lives, rescue accident victims, remove obstructing trees and debris, tear down walls, handle wrecked automobiles and trucks and solve scores of other accident and disaster problems.

EACH RESCUE KIT INCLUDES

A. Steel Box
B. tirfor® wire rope hoist
C. 60 ft. (18 m) of galvanized wire rope with latch hook mounted on carrying reel
D. Telescopic handle for manual operation of hoist
E. Appropriate snatch block pulley
F. Wire rope sling 6 ft. (1.8 m) long with choker hook
G. Wire rope sling 6 ft. (1.8 m) long
H. Wire rope sling 9 ft. (2.7 m) long



pull-all® J3 | super pull-all® J5
winch-hoist with unlimited wire rope

The pull-all® J3 and Super pull-all® J5 are universal lifting and pulling devices. These devices are ultra-lightweight and strong and are easy to operate and maintain. They can be used in countless applications.

HANDY

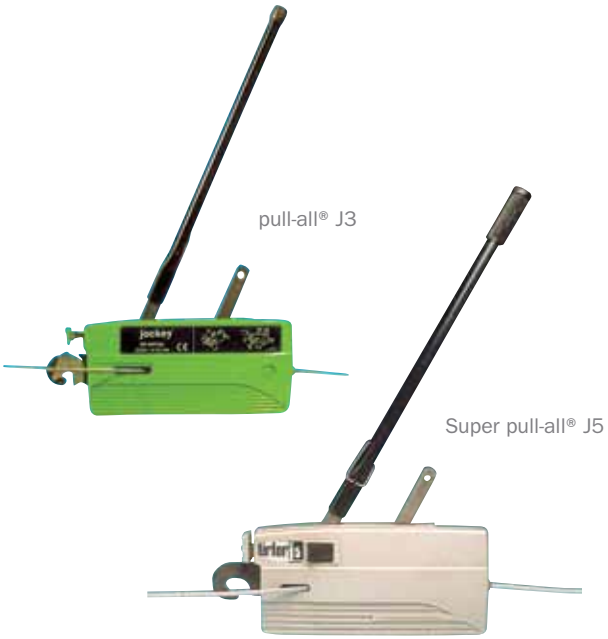
In just a few seconds the pull-all® is ready for operation:

1. Disengage wire rope release knob
2. Insert wire rope and push slack rope through the machine
3. Lock wire rope release knob into position
4. Anchor the pull-all® to a fixed point and attach load to wire rope hook
5. Place operating handle on forward motion lever and move it to and fro.
6. The pull-all® is ready for use!

INDISPENSABLE

The pull-all® is the ideal handyman tool for:

- Positioning trailers in places impracticable for a car
- Removing car engines
- Up-rooting small trees and stumps
- Freeing cars when stuck in mud, snow or a bog
- Beaching boats which cannot be reached by a transport vehicle
- Tensioning wires and wired fencing
- Tensioning overhead electric cables, erecting and tensioning wood or lattice masts, pylons, as well as concrete forms
- During house construction: installing radiators, heating elements, beams, uprights and bearers



MODEL	PULL-ALL® (J3)	SUPER PULL-ALL® (J5)
Nominal capacity	700 lbs. (300 kg)	1,100 lbs. (500 kg)
Wire rope dia.	3⁄16 in. (4.7 mm)	¼ in. (6.5 mm)
Effort on handle	17.6 lbs. (8 kg)	52.8 lbs. (24 kg)
Dimensions of the machine	12.7 x 7.9 x 1.6 in. (320 x 200 x 40 mm)	14.7 x 8.5 x 2.2 in. (370 x 215 x 55 mm)
Unit weight	5.5 lbs. (2.5 kg)	11 lbs. (5 kg)

hydraulic tirfor®

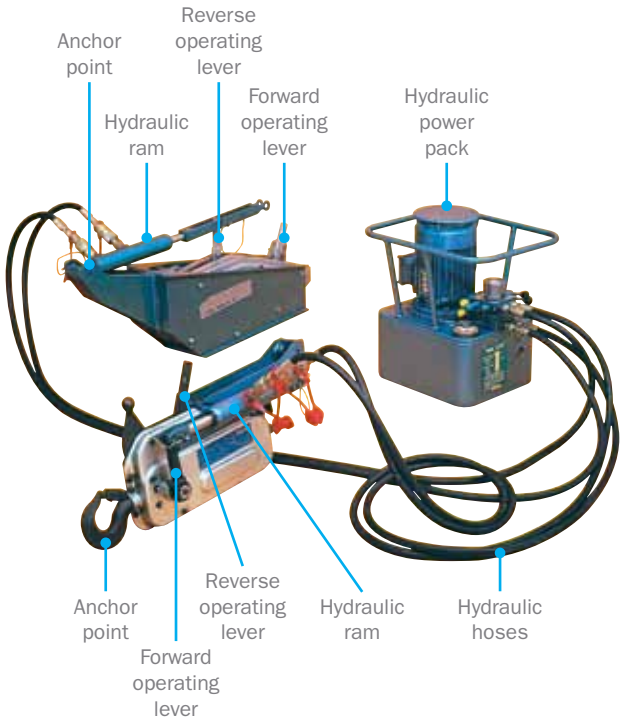
The hydraulic tirfor® hoist with self-reciprocating rams are available in two models:

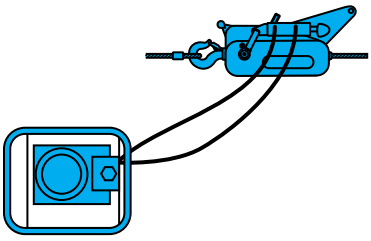
- TU28H with 3,520 lbs. (1,600 kg) material handling capacity
- TU32H with 7,040 lbs. (3,200 kg) material handling capacity

A hydraulic power pack can operate one, two or four hoists from a central location. The power packs are operated by either electric motors or gasoline engines. The speed of operation is controlled using a variable flow control valve.

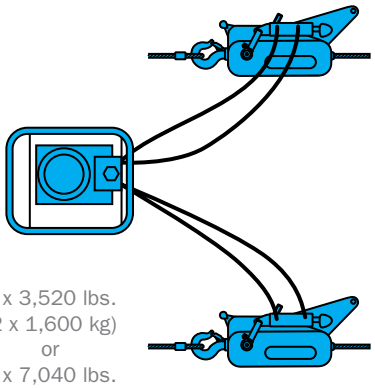
MODEL	TU28H	TU32H
Nominal capacity material handling	3,520 lbs. (1,600 kg)	7,040 lbs. (3,200 kg)
Maximum speed forward/lifting*	6.5 fpm (2 m/min)	3.25 fpm (1 m/min)
Maximum speed reverse/lowering	8.7 fpm (2.7 m/min)	5.9 fpm (1.8 m/min)
Unit weight with ram	66 lbs. (30 kg)	123 lbs. (56 kg)
Hydraulic power pack with oil	95 lbs. (43 kg)	95 lbs. (43 kg)
Gasoline engine power pack	112 lbs. (50 kg)	112 lbs. (50 kg)
tirfor® wire rope**	7/16 in. (11.5 mm)	5/8 in. (16.3 mm)
Wire rope construction	5 x 26 XIPS galv.	5 x 31 XIPS galv.

Speed for one hoist only
***Wire rope is sold separately*

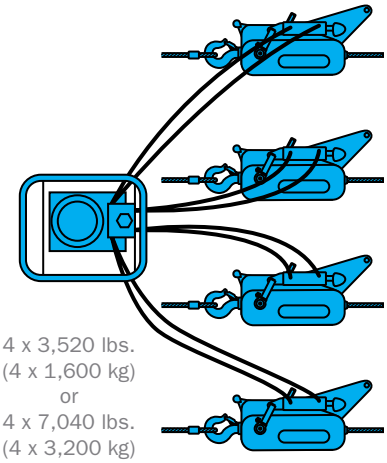




1 x 3,520 lbs.
(1 x 1,600 kg)
or
1 x 7,040 lbs.
(1 x 3,200 kg)
capacity



2 x 3,520 lbs.
(2 x 1,600 kg)
or
2 x 7,040 lbs.
(2 x 3,200 kg)
capacity



4 x 3,520 lbs.
(4 x 1,600 kg)
or
4 x 7,040 lbs.
(4 x 3,200 kg)
capacity

tirak®

material handling wire rope hoist

TIRAK® X SERIES AND T SERIES

The performance standard for material handling hoists.

Tractel® has more than 40 years of experience in manufacturing motorized wire rope hoists. The mechanism is engineered in such a way that the wire rope runs through the tirak® without being stored, allowing for unlimited wire rope length capability. All tirak® hoists are manufactured in Germany to ISO 9001 and ISO 14001 standards. They also meet CSA and UL requirements

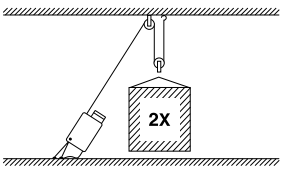
BENEFITS

- Extremely reliable: less maintenance, higher productivity and better efficiency
- Compact design: easy installation and incorporation in your specific application
- Light weight: this maximizes the usable workload for better efficiency
- Stability: constant lifting torque and speed, independent from lifting height
- Flexibility: power supply in your required voltage, or air powered also available

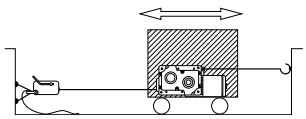
MODEL	CAPACITY	SPEED	MOTOR TYPE*	OUTPUT	RATED CURRENT	DIMENSIONS (L X W X H)	WEIGHT
X300M	700 lbs. (300 kg)	33 fpm (10 m/min)	T	0.45 kW	5.2 A	15.8 x 9.9 x 8.7 in. (40 x 25 x 22 cm)	55 lbs. (25 kg)
X301M	700 lbs. (300 kg)	33 fpm (10 m/min)	S	0.55 kW	5.2 A	15.8 x 9.9 x 8.7 in. (40 x 25 x 22 cm)	55 lbs. (25 kg)
XA300M	700 lbs. (300 kg)	17–30 fpm (6–9 m/min)	A	–	–	14.2 x 11.8 x 8.7 in. (36 x 30 x 22 cm)	44 lbs. (20 kg)
X502M	1,100 lbs. (500 kg)	69 fpm (21 m/min)	T	1.8 kW	9.0 A	19.7 x 11.8 x 9.8 in. (50 x 30 x 25 cm)	86 lbs. (39 kg)
X500M	1,100 lbs. (500 kg)	35 fpm (11 m/min)	T	0.9 kW	5.5 A	18.9 x 11.8 x 9.8 in. (48 x 30 x 25 cm)	86 lbs. (39 kg)
X501M	1,100 lbs. (500 kg)	35 fpm (11 m/min)	S	1.1 kW	9.0 A	21.7 x 11.8 x 9.8 in. (55 x 30 x 25 cm)	106 lbs. (48 kg)
XA500M	1,100 lbs. (500 kg)	30 fpm (9 m/min)	A	–	–	16.1 x 11.8 x 9.8 in. (41 x 30 x 25 cm)	77 lbs. (35 kg)
X700M	1,500 lbs. (700 kg)	16 fpm (5 m/min)	T	0.75 kW	5.0 A	20 x 11.8 x 9.8 in. (51 x 30 x 25 cm)	97 lbs. (44 kg)
XA700M	1,500 lbs. (700 kg)	17–30 fpm (6–9 m/min)	A	–	–	20 x 11.8 x 9.8 in. (51 x 30 x 25 cm)	86 lbs. (39 kg)
X1020	2,200 lbs. (1,000 kg)	35 fpm (11 m/min)	T	2.2 kW	18.0 A	26 x 14.2 x 12.6 in. (66 x 36 x 32 cm)	185 lbs. (84 kg)
X2050	4,400 lbs. (2,000 kg)	23 fpm (6 m/min)	T	2.2 kW	18.0 A	26 x 15.8 x 14.2 in. (66 x 40 x 36 cm)	187 lbs. (85 kg)
X3050	6,600 lbs. (3,000 kg)	23 fpm (6 m/min)	T	3.8 kW	19.5 A	26 x 15.8 x 14.2 in. (66 x 40 x 36 cm)	214 lbs. (97 kg)
T-Series – Traction in both direction							
T1000	2,200 lbs. (1,000 kg)	35 fpm (11 m/min)	T	2.2 kW	9.6 A	22.9 x 13 x 14.2 in. (58 x 33 x 32 cm)	161 lbs. (73 kg)

**S = Single phase, T = Three phase, A = Pneumatic*

MULTIPLE USES



It is possible for lifting and puling applications, to increase the capacity of the tirak® by using multiple sheave blocks.



The tirak® can move with the load.

gripwinch®
mobile wire rope hoist

The gripwinch® is a motorized traction hoist built for lifting and pulling in a wide variety of applications. For easier manipulation and storage, the gripwinch® is available in several models, with or without a wire rope reeler, mounted on a frame, electric or air operated.

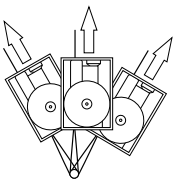
RUGGED, VERSATILE, SAFE AND RELIABLE

- Extremely compact for easy installation
- Works in any direction
- Single line capacity 700 to 2,200 lbs. (300 to 1,000 kg)
- Power supply: 110, 220V/1ph, 220V/3ph, 480V, air, hydraulic
- Reelers available in standard sizes of 500 and 1,650 ft. (150 and 500 m)
- Operating speed up to 70 fpm (21 m/min)
- Control type: 10 ft. (3 m) hardwired pendant control, detachable control, direct control, or central control
- Meet CSA and UL requirements

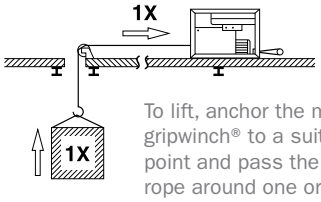
MODEL	CAPACITY	SPEED	MOTOR TYPE*	OUTPUT	RATED CURRENT	DIMENSIONS (L X W X H)	WEIGHT
MG300-150	700 lbs. (300 kg)	33 fpm (10 m/min)	S	0.55 kW	5.2 A	25.2 x 16.9 x 18.9 in. (64 x 43 x 48 cm)	110.2 lbs. (50 kg)
MG302-150		66 fpm (21 m/min)	T	1.1 kW	5.2 A		110.2 lbs. (50 kg)
MG500-150	1,100 lbs. (500 kg)	35 fpm (11 m/min)	S	1.1 kW	8.7 A	29.1 x 18.9 x 22 in. (74 x 48 x 56 cm)	154.3 lbs. (70 kg)
MG505-150		17/35 fpm (5/11 m/min)	Bi	0.55/1.5 kW	3.7/5.5 A		159.8 lbs. (72.5 kg)
MG506-150		17/70 fpm (5/21 m/min)	Bi	0.55/1.8 kW	3.7/9 A		159.8 lbs. (72.5 kg)
MG503-150		35/70 fpm (11/21 m/min)	Bi	1.1/1.8 kW	5.5/10 A		159.8 lbs. (72.5 kg)
MG700-150	1,500 lbs. (700 kg)	35 fpm (11 m/min)	T	2.2 kW	9.4 A	29.1 x 18.9 x 22 in. (74 x 48 x 56 cm)	159.8 lbs. (72.5 kg)
MG705-150		17/35 fpm (5/11 m/min)	Bi	0.75/1.5 kW	5/7 A		165.3 lbs. (75 kg)
MG706-150		17/70 fpm (5/21 m/min)	Bi	0.75/3 kW	5/15 A		165.3 lbs. (75 kg)
MG703-150		35/70 fpm (11/21 m/min)	Bi	1.5/3 kW	7/15 A		165.3 lbs. (75 kg)
MG1020-150	2,200 lbs. (1,000 kg)	35 fpm (11 m/min)	T	2.2 kW	9.4 A	29.9 x 20 x 22 in. (76 x 51 x 56 cm)	229.3 lbs. (104 kg)
MG1025-150		17/35 fpm (5/11 m/min)	Bi	1.1/2.2 kW	6.4/8 A		254.6 lbs. (115.5 kg)
MG1026-150		17/70 fpm (5/21 m/min)	Bi	1.1/3.5 kW	7.8/20 A		206.1 lbs. (118 kg)
MG1023-150		35/70 fpm (11/21 m/min)	Bi	2.2/3.5 kW	10/20 A		254.6 lbs. (115.5 kg)

*Also available in 1,650 ft. (500 m) capacity. *S = Single phase, T = Three phase, Bi = Bi-directional*

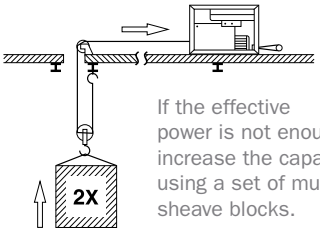
MULTIPLE USES



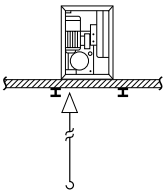
The mobile gripwinch® automatically turns in the direction of the pull. Furthermore, with the mobile gripwinch®, the capacity and speed remain constant at all times.



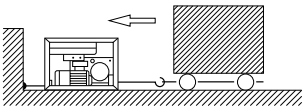
To lift, anchor the mobile gripwinch® to a suitable point and pass the wire rope around one or more return pulley.



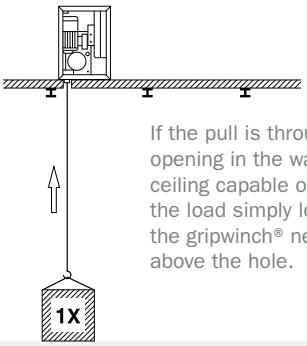
If the effective power is not enough, increase the capacity using a set of multiple sheave blocks.



If the hole is not big enough for the rope hook to pass through, position the mobile gripwinch® and pass the wire rope through the hole and then into the gripwinch® .



To anchor the frame, simply attach the mobile gripwinch® to a suitable anchored point using a wire rope sling, chain or similar attachment.



If the pull is through an opening in the wall or ceiling capable of taking the load simply locate the gripwinch® near or above the hole.

minifor®

portable electric hoists with unlimited lifting height

FEATURES

- Portable and powerful for unlimited lifting height
- A complete range of electric hoists for a wide range of applications
- Rated loads of 220, 660 and 1,100 lbs. (100, 300 and 500 kg) which can be doubled with a sheave kit
- Unlimited height of lift
- Optional rope reeler for TR10 and TR30 models
- Pendant control
- Direct lift or sheaving kit for increased capacity
- Single phase or three phase power
- TR10 and TR30 come with blue steel box
- Meet CSA and UL requirements
- Optional wireless remote control available

QUALITY AND POWER

- High power to weight ratio
- Body in aluminium alloy
- Unlimited length of lifting wire rope
- Wire rope, diameter of ¼ in. (6.5 mm)
- 115 V standard, 220 V available

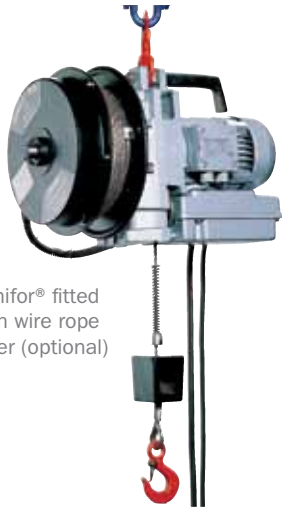
SAFETY

- Upper and lower adjustable end limit stops
- Motor integrated brake

TR30

TR50 / TR30S

minifor® TR10/TR30 fitted with sheave block kit (optional)



minifor® fitted with wire rope reeler (optional)

MODEL	DIMENSIONS (L X W X D)	WORKING LOAD LIMIT		SPEED		POWER SUPPLY			RATED CURRENT	OPTIONAL WIRE ROPE REELER		UNIT WEIGHT*
		DIRECT	SHEAVED	DIRECT	SHEAVED	SINGLE PHASE 115 V	SINGLE PHASE 220 V	THREE PHASE 220 V		66 FT. (20 M)	100 FT. (35 M)	
TR10	14 x 9 x 17 in. (35.6 x 22.9 x 43.2 cm)	220 lbs. (100 kg)	440 lbs. (200 kg)	50 fpm (15 m/min)	25 fpm (7.5 m/min)	■	■		9.3 A	■	■	46 lbs. (21 kg)
TR30	14 x 9 x 17 in. (35.6 x 22.9 x 43.2 cm)	660 lbs. (300 kg)	1,320 lbs. (600 kg)	17 fpm (5 m/min)	8.5 fpm (2.5 m/min)	■	■		9.3 A	■	■	46 lbs. (21 kg)
TR30S	19 x 9 x 17 in. (48.3 x 22.9 x 43.2 cm)	660 lbs. (300 kg)	1,320 lbs. (600 kg)	43 fpm (13 m/min)	21 fpm (6.5 m/min)	■	■	■	20 A			71 lbs. (32 kg)
TR50	19 x 9 x 17 in. (48.3 x 22.9 x 43.2 cm)	1,100 lbs. (500 kg)	2,200 lbs. (1,000 kg)	23 fpm (7 m/min)	11.5 fpm (3.5 m/min)	■	■	■	10 A			71 lbs. (32 kg)

Without wire rope

minifor®

portable electric hoists with synthetic rope

The synthetic minifor® TR125 SY has been specially developed for lifting loads during repair operations. With this product, loads can be lifted at high speed with a synthetic rope which, without any risks to its operating environment.

BENEFITS

- High performance portable electric hoist
- Constant torque allowing the use of long synthetic ropes without any loss of pulling force
- Portable. Work can be performed horizontally, vertically or at an angle
- Synthetic rope reduces weight compared to chain and steel rope
- Synthetic rope avoids damage to surroundings
- Lifting speed of 15 m/min

FEATURES

- Lifting capacity: 250 lbs. (125 kg)
- Aluminium alloy housing
- Adjustable upper and lower ends stop
- Electromagnetic brake
- Available with detachable pendant control
- Optional wireless remote
- Optional sheave block pulley kit to increase lifting capacity
- Available in 115 V (220 V on request)
- Meet CSA and UL requirements

MODEL	DIMENSIONS (L X W X D)	WORKING LOAD LIMIT		SPEED		POWER SUPPLY		RATED CURRENT	UNIT WEIGHT*
		DIRECT	SHEAVED	DIRECT	SHEAVED	SINGLE PHASE 115 V	SINGLE PHASE 220 V		
TR125SY	14 x 9 x 17 in. (35.6 x 22.9 x 43.2 cm)	250 lbs. (125 kg)	500 lbs. (250 kg)	50 fpm (15 m/min)	25 fpm (7.5 m/min)	■	■	9.3 A	46 lbs. (20 kg)

Without synthetic rope

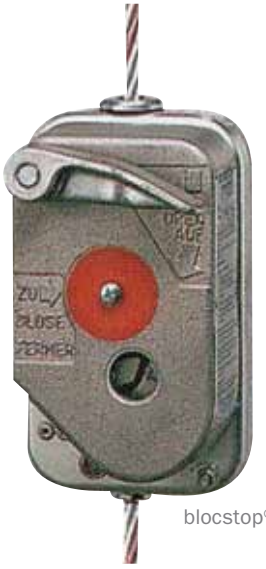
blocstop®

safety devices for wire ropes

The blocstop® is a fall-arrest secondary safety device which is fitted to the wire rope of a tirfor® or tirak® hoist. The blocstop® is particularly well suited to hold or restrain any loads during lifting and pulling applications.

THE BLOCSTOP® MAY BE USED...

- Mounted on a secondary wire rope, the blocstop® holds the load safely should there be any defect in the primary suspension wire rope or failure of the lifting device
- Mounted on the suspension or tensioned wire rope, the blocstop® protects the load against failure of the primary lifting/tensioning device
- Mounted on warehouse overhead doors, to securely hold the door open and will also prevent the door from closing too fast when overspeed conditions are detected



blocstop® BSO

blocstop® BS

blocstop® BSA

AUTOMATIC BLOCSTOP® BSO

The blocstop® is a fall-arrest secondary safety device which, when fitted to an appropriate wire rope of a tirak® or griphoist® hoist. The overspeed blocstop® , is a safety device and is used as a secondary brake, which is recommended for many material handling operations. The BSO model can be mounted either on the main suspension wire rope or on a separate safety wire rope.

SINGLE OR DOUBLE ROPE SUSPENSION AUTOMATIC WITH OVERSPEED BRAKING SYSTEM				
	BSO 500 or BS/BSO 500*	BSO 1020 or BS/BSO 1020*	BSO 2050	BSO 3060
Capacity	1,500 lbs. (680 kg)	3,200 lbs. (1,450 kg)	4,400 lbs. (2,000 kg)	6,600 lbs. (3,000 kg)
Rope	5⁄16 in. (8.4 mm)	3⁄8 in. (9.5 mm)	9⁄16 in. (14 mm)	5⁄8 in. (16.3 mm)
Weight	10.4 lbs. (4.7 kg)	13.2 lbs. (6 kg)	30.8 lbs. (14 kg)	30.8 lbs. (14 kg)

**For double wire rope systems electrical cut-offs are available.*
Rated loads shown for material handling only.

HAND-OPERATED BLOCSTOP® BS

The hand-operated blocstop® BS, is the perfect device to be used to hold or restrain any other loads during lifting and pulling applications.

SINGLE ROPE SUSPENSION – MANUAL			
	BS 15.301	BS 20.301	BS 35.30
Capacity	1,500 lbs. (680 kg)	3,000 lbs. (1,360 kg)	6,000 lbs. (2,720 kg)
Rope	5⁄16 in. (8.4 mm)	7⁄16 in. (11.5 mm)	5⁄8 in. (16.3 mm)
Weight	4.4 lbs. (2 kg)	7.9 lbs. (3.7 kg)	18.1 lbs. (8.2 kg)

Safety factor 6:1 when operating under the rated capacity loads
BS15.301 – New York State B.S.A. approval 6563.

SEMI-AUTOMATIC BLOCSTOP® BSA

The blocstop® BSA is semi automatic and has a dual rope suspension.

DOUBLE ROPE SUSPENSION – SEMI-AUTOMATIC			
	BSA 15.301	BSA 20.301	BSA 35.30
Capacity	1,500 lbs. (680 kg)	3,000 lbs. (1,360 kg)	6,000 lbs. (2,720 kg)
Rope	5⁄16 in. (8.4 mm)	7⁄16 in. (11.5 mm)	5⁄8 in. (16.3 mm)
Weight	8.8 lbs. (4.0 kg)	13.2 lbs. (6 kg)	23.1 lbs. (10.5 kg)

Safety factor 6:1 when operating under the rated capacity loads
BS15.301 – New York State B.S.A. approval 6563.

blocmat®
load arresters

The blocmat® load arrester has been designed to secure suspended loads. If the main suspension fails and the load starts to fall, the blocmat® will hold the load in suspension.

blocmat® BS
30 ft. (9 m)

blocmat® BS
50 ft. (15 m)

BLOCMAT® BS 250

The blocmat® 250 is a retractable load arrester. The length of the wire rope is adjusted automatically by a tensioning and retraction system. The load arrester blocmat® 250 has been designed to secure suspended loads. The 50 ft. (15 m) model is fitted with large handles for lifting and carrying.

MODEL	LENGTH	CAPACITY	WEIGHT
60579	30 ft. (9 m)	550 lbs. (250 kg)	13.2 lbs. (6 kg)
47419	50 ft. (15 m)	550 lbs. (250 kg)	33.1 lbs. (15 kg)

BLOCMAT® S – SUSPENDED TYPE

The blocmat® S is a suspended type of material load arrester. It is composed of an automatic fall-arrest device and a rope-reeling drum, both fixed on a rectangular fixing plate.

MODEL	LENGTH	WIRE ROPE	CAPACITY	WEIGHT
47329	50 ft. (15 m)	¼ in. (6.5 mm)	1,100 lbs. (500 kg)	63.9 lbs. (29 kg)
47349	80 ft. (25 m)	¼ in. (6.5 mm)	1,100 lbs. (500 kg)	88.2 lbs. (40 kg)
47359	32 ft. (10 m)	5/16 in. (8.4 mm)	1,700 lbs. (800 kg)	77.2 lbs. (35 kg)
47369	65 ft. (20 m)	5/16 in. (8.4 mm)	1,700 lbs. (800 kg)	94.8 lbs. (43 kg)
47379	25 ft. (8 m)	⅜ in. (9.5 mm)	2,200 lbs. (1,000 kg)	77.2 lbs. (35 kg)
47389	40 ft. (12 m)	⅜ in. (9.5 mm)	2,200 lbs. (1,000 kg)	92.6 lbs. (42 kg)
75399	80 ft. (25 m)	⅜ in. (9.5 mm)	2,200 lbs. (1,000 kg)	–

blocmat® S

BLOCMAT® SI – FLOOR-MOUNTED TYPE

The blocmat® SI has been designed to secure suspended loads. This range shall be fixed in a floor-mounted position and used with an upper return sheave. It is composed of an automatic fall-arrest device and a rope-reeling drum, both fixed on a rectangular fixing plate.

MODEL	LENGTH	WIRE ROPE	CAPACITY	WEIGHT
47269	50 ft. (15 m)	¼ in. (6.5 mm)	1,100 lbs. (500 kg)	63.9 lbs. (29 kg)
47279	80 ft. (25 m)	¼ in. (6.5 mm)	1,100 lbs. (500 kg)	86.0 lbs. (39 kg)
47289	50 ft. (15 m)	5/16 in. (8.4 mm)	1,700 lbs. (800 kg)	79.4 lbs. (36 kg)
47299	80 ft. (25 m)	5/16 in. (8.4 mm)	1,700 lbs. (800 kg)	99.2 lbs. (45 kg)
47309	32 ft. (10 m)	⅜ in. (9.5 mm)	2,200 lbs. (1,000 kg)	79.4 lbs. (36 kg)
47319	80 ft. (25 m)	⅜ in. (9.5 mm)	2,200 lbs. (1,000 kg)	103.6 lbs. (47 kg)

blocmat® SI

maxiflex
wire ropes

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

Using Maxiflex wire rope in all of our manual and powered hoists will ensure the highest level of performance for your equipment. Maxiflex wire rope is specifically developed and constructed for use in Tractel® products. Proper selection will ensure the maximum possible wire rope service life. Please contact our engineering department for any questions or assistance in selecting the appropriate wire rope for your Tractel® equipment. This is a requirement in situations where the load can spin freely or when reelers are used.

WIRE ROPE SELECTION GUIDE			
PRODUCT LINE SERIES	**WIRE ROPE DIAMETER**	**APPROVED WIRE ROPE CONSTRUCTION**	**WIRE ROPE BREAKING STRENGTH**
pull-all® (J3)	3/16 in. (4.72 mm)	7x7	3,000 lbs. (1,360 kg)
minifor®[1]/Super pull-all® (J5)	¼ in. (6.5 mm)	5x19	6,000 lbs. (2,720 kg)
scafor® 408C	5/16 in. (8.4 mm)	5x19* and 6x19	10,000 lbs. (4,500 kg)
griphoist®/tirfor® T508D/TU17	5/16 in. (8.4 mm)	4x26, 5x19, 5x26 and 6x17	10,000 lbs. (4,500 kg)
griphoist®/tirfor® T516D/TU28	7/16 in. (11.5 mm)	4x26 and 5x26	20,000 lbs. (9,000 kg)
griphoist®/tirfor® T532D/TU32	5/8 in. (16.3 mm)	4x36	40,000 lbs. (18,000 kg)
Hydraulic tirfor® TU28H	7/16 in. (11.5 mm)	5x26	20,000 lbs. (9,000 kg)
Hydraulic tirfor® TU32H	5/8 in. (16.3 mm)	5x31	40,000 lbs. (18,000 kg)
tirak® X300/X500/X700[2] and T1000[2]	5/16 in. (8.4 mm)	4x26, 5x19*, 5x26 and 6x17[3]	10,000 lbs. (4,500 kg)
tirak® L500	5/16 in. (8.4 mm)	5x19* and 5x26	10,000 lbs. (4,500 kg)
tirak® X1020[2] and T1020[2]	3/8 in. (9.5 mm)	5x19* and 5x26	15,000 lbs. (6,800 kg)
tirak® X1030	10.2 mm	5x26	18,500 lbs. (8,400 kg)
tirak® X2050/X3050	9/16 in. (14.3 mm)	5x26	35,000 lbs. (15,900 kg)

**Best selection for most situations*

[1] minifor® TR10 and TR30 previous models used 3/16 in. (4.72 mm).

[2] Call engineering for applications with reelers or when the load is able to spin.

[3] 6x17 is classified as a 6x19 which may have 15-26 wires per strand.

wire rope reelers

wire ropes

Protect your wire rope investment – Tractel® has a variety of wire rope storage devices to suit your requirements, from basic storage reels to self feed and motorized reelers.

CARRYING AND STORAGE REELS

MODEL	DESCRIPTION			WEIGHT
	ø 5/16 in. (8.4 mm)	ø 7/16 in. (11.5 mm)	ø 5/8 in. (16 mm)	
889	82 ft. (25 m)	–	–	2 lbs (0.9 kg)
909	164 ft. (50 m)	82 ft. (25 m)	–	2.5 lbs. (1.1 kg)
939	246 ft. (75 m)	164 ft. (50 m)	82 ft. (25 m)	4.0 lbs. (1.8 kg)
899	328 ft. (100 m)	262 ft. (80 m)	197 ft. (60 m)	5.0 lbs. (2.3 kg)

Carrying and storage reel

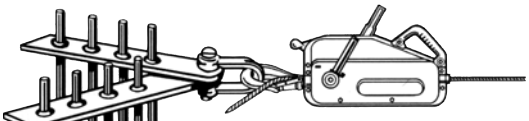
MANUAL ROPE REELER

MODEL	DESCRIPTION	WEIGHT
30158	From 65 to 400 ft. (20 to 120 m) capacity	20 lbs. (9 kg)
878	From 145 to 820 ft. (45 to 250 m) capacity	20 lbs. (9 kg)
868	From 225 to 1,245 ft. (70 to 380 m) capacity	20 lbs. (9 kg)
858	From 325 to 1,770 ft. (100 to 540 m) capacity	20 lbs. (9 kg)
30938	From 390 to 2,230 ft. (120 to 680 m) capacity	22 lbs. (10 kg)
31788	From 490 to 2,785 ft. (150 to 850 m) capacity	24 lbs. (11 kg)

Manual rope reeler

ground anchors

Used as an anchorage system for creating a fixed point in the ground for guying pylons and posts, attachment anchors and as a fixed point for pulling or lifting operations.



Steel plate and spikes

Screw type

STEEL PLATES AND SPIKES

MODEL	DESCRIPTION	WEIGHT
3T	2 plates 8 spikes, with shackle, painted	108 lbs. (49.0 kg)
5T	3 plates 12 spikes, with shackle, painted	172 lbs. (78.0 kg)

SCREW TYPE

MODEL	DESCRIPTION	WEIGHT
TAA	For Tirvit and jockey®	2.6 lbs. (1.2 kg)
TAB	For tirfor® T508 / TU17	6.6 lbs. (3.0 kg)
TAC	For tirfor® T516 / TU28	15.4 lbs. (7.0 kg)
TAD	For tirfor® T532 / TU32	24.3 lbs. (11.0 kg)

wire grippers

FROG WIRE ROPE GRIPPER

This wire rope gripper with a self-gripping jaw will hold a wire rope at any point along its length to hold a load or to take up the tension while fixing or adjusting the slack end.

- Lightweight aluminium body
- Complete with shackle for anchoring
- Spring operated jaw for automatic gripping
- Breech loading

MODEL	G2	G3	G4
Range of wire rope	3/32–5/16 in. (2–8.4 mm)	5/16–9/16 in. (8.4–15 mm)	9/16–11/16 in. (14–18 mm)
Capacity	900 lbs. (400 kg)	1,325 lbs. (600 kg)	1,750 lbs. (800 kg)
Breaking load	3,500 lbs. (1,600 kg)	4,100 lbs. (1,900 kg)	4,400 lbs. (2,000 kg)
Weight	0.64 lbs. (0.3 kg)	1.25 lbs. (0.55 kg)	1.3 lbs. (0.6 kg)

CONI-KLAM WIRE ROPE CLAMP

This wire rope clamp can quickly lengthen wire ropes or slings. The wire rope is held by a pair of jaws, which are slightly serrated and which give a positive lock by a self-gripping wedge.

- Manufactured in forged steel
- Breech loading
- Immediate adjustment to the required position
- Does not damage the wire ropes
- High safety factor

MODEL	EC 10	EC 14	EC 21
Range of wire rope	3/16–3/8 in. (5–10 mm)	7/16–9/16 in. (10.5–14 mm)	5/8–13/16 in. (15–21 mm)
Capacity	2,200 lbs. (1,000 kg)	4,400 lbs. (2,000 kg)	6,600 lbs (3,000 kg)
Weight without shackle	2.6 lbs. (1.2 kg)	5.7 lbs. (2.6 kg)	11.9 lbs. (5.4 kg)
Weight with shackle	3.5 lbs. (1.6 kg)	8.2 lbs. (3.7 kg)	16.5 lbs. (7.5 kg)

EASY-PULL

The Easy-Pull is a cable and wire rope tensioning device which is lightweight, easy to handle and compact. The Easy-Pull is simple to use yet strong. The self-gripping jaws hold the rope:

- For tensioning electric and telephone cables, conductors and long span lines
- For agriculture and forestry, tensioning/netting, stays and fruit support wires, pulling out stakes, uprooting bushes and stirrups, etc.

MODEL	F2-STD	F3-STD	F4-STD
Range of wire rope	3/32–5/16 in. (2–8.4 mm)	5/16–9/16 in. (8.4–15 mm)	9/16–11/16 in. (14–18 mm)
To and fro travel of lever	2.5 in. (65 mm)	3 in. (75 mm)	3.5 in. (90 mm)
Pulling capacity	900 lbs. (400 kg)	1,325 lbs. (600 kg)	1,750 lbs. (800 kg)
Weight	8.8 lbs. (4 kg)	11.5 lbs. (5.2 kg)	13.7 lbs. (6.2 kg)

hooks

1. STANDARD WIRE ROPE HOOK
Used in Maxiflex wire rope assemblies, incorporates spring loaded hook latch.

2. SHIPYARD HOOK
1 and 3 t top and bottom hooks for use in bravo® lever hoist. Includes hook latch.

3. SWIVEL HOOK
General utility hook for wire rope assemblies includes hook latch.

4. SLIDING SLING CHOKER HOOK
Used in wire rope slings.

5. SAFETY HOOK
For use with manual chain hoists provided for positive close when under load.

6. SWIVEL HOOK
Swivel hooks for:
- dynafor® load indicators
- tirfor® hoist
- Includes hook latch

1.


4.


2.


5.


3.


6.


SHEAVE BLOCK
Lightweight and heavy duty this sheave block is used with Maxiflex wire rope to increase lifting or pulling capacity of any Tractel® wire rope hoist, including the tirfor® and the gripwinch®. It is also designed to maximize wire rope service life. May be breech loaded.

MODEL	3329	31629
Capacity	6,400 lbs. (3,200 kg)	12,800 lbs. (6,400 kg)
Diameter	6 in. (150 mm)	8 in. (200 mm)
Wire rope	5/16 and 3/8 in. (8.4 and 9.5 mm)	7/16 and 5/8 in. (11.5 and 16.3 mm)
Unit weight	5.5 lbs. (2.5 kg)	15 lbs. (6.75 kg)

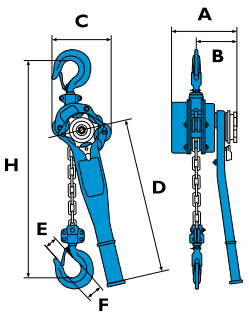
bravo®
lever hoists

The bravo® lever hoist is ideal for industrial and building/civil engineering applications. This hoist is designed for pulling, lifting, positioning and adjusting loads in workshops and/or on building sites.

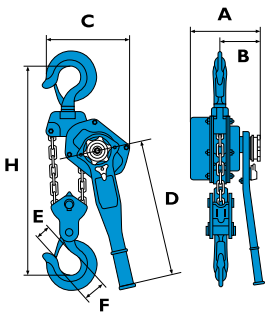
STRONG
- The hoist and its components are made of high tensile alloy steel
- Excellent weight / capacity / size ratio

SAFE
- Operates in temperatures between -40 and 140°F (-40 and 60°C)
- Working load limit of 500 to 12,000 lbs. (¼ to 6 t)
- 360° swivel hook with overload opening indicators
- Removable hook with latch marked with working load limit of the hoist
- Five sprocket load wheel with closed bearings
- Free wheel safety device activates braking mechanism when load applied in neutral position
- Meets or exceeds ASME B30.21C, *Manually Lever-Operated Hoist* code.

OPTIONS
- Load limiter (except on 500 lbs. [¼ t])
- Shipyard hooks (for 3,000 and 6,000 lbs. [1½ and 3 t] only)
- Safety hooks



¼ to 3 t
(500 to 6,000 lbs.)



6 t
(12,000 lbs.)

MODEL		¼ t	½ t	¾ t	1½ t	3 t	6 t
Capacity		500 lbs. (250 kg)	1,000 lbs. (500 kg)	1,500 lbs. (750 kg)	3,000 lbs. (1,500 kg)	6,000 lbs. (3,000 kg)	12,000 lbs. (6,000 kg)
Standard lift		Lengths available: 5, 10, 15, 20, 30 and 40 ft. (1.5, 3, 4.5, 6, 9 and 12 m)					
Number of falls		1	1	1	1	1	2
Effort on lever at capacity		57 lbs. (26 kg)	79 lbs. (36 kg)	44 lbs. (20 kg)	46 lbs. (21 kg)	73 lbs. (33 kg)	75 lbs. (34 kg)
Load chain size		4 x 12 mm	5 x 15 mm	6 x 18 mm	7 x 21 mm	10 x 30 mm	10 x 30 mm
DIMENSIONS	A	3.6 in. (91 mm)	4.3 in. (110 mm)	5.5 in. (139 mm)	6.9 in. (174 mm)	7.9 in. (200 mm)	7.9 in. (200 mm)
	B	2.8 in. (70 mm)	3.1 in. (80 mm)	3.3 in. (84 mm)	4.0 in. (108 mm)	4.5 in. (115 mm)	4.5 in. (115 mm)
	C	2.8 in. (71 mm)	4.8 in. (122 mm)	6 in. (153 mm)	6.3 in. (160 mm)	7.3 in. (185 mm)	9.1 in. (230 mm)
	D	6.2 in. (157 mm)	9 in. (288 mm)	11.3 in. (288 mm)	16.5 in. (418 mm)	16.5 in. (418 mm)	16.5 in. (418 mm)
	E	0.8 in. (21 mm)	0.9 in. (23 mm)	1 in. (26 mm)	1.2 in. (31 mm)	1.5 in. (39 mm)	1.8 in. (45 mm)
	F	1.1 in. (28 mm)	1.4 in. (35 mm)	1.5 in. (37 mm)	1.8 in. (45 mm)	2.2 in. (55 mm)	2.6 in. (65 mm)
	H min.	9.2 in. (233 mm)	12 in. (305 mm)	11.9 in. (303 mm)	14.6 in. (370 mm)	19.7 in. (500 mm)	24.8 in. (630 mm)
Unit weight with 10 ft. (3 m) lift		4 lbs. (2 kg)	11 lbs. (5 kg)	15 lbs. (7 kg)	24 lbs. (11 kg)	44 lbs. (20 kg)	66 lbs. (30 kg)

Overload devices are available.

tralift®

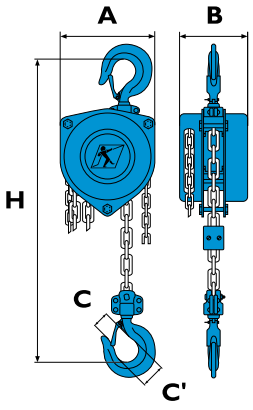
manual chain hoists

FEATURES

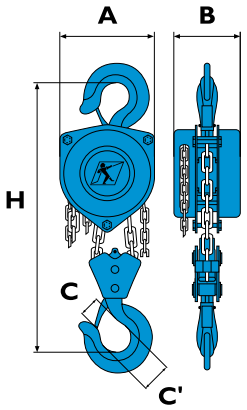
- Operates in temperatures between -40 and 140°F (-40 and 60°C)
- Working load limit (WLL) of 500 to 40,000 lbs. (¼ to 20 t)
- 360° swivel hook with overload opening indicators
- Automatic brake with double pawl system
- Tested to 150% of WLL
- Optional load limiter
- Alloy load hook enables user to see if hook is deformed by overload
- Meets or exceeds ASME B30.16, *Overhead Hoist (underhung)* code

OPTIONS

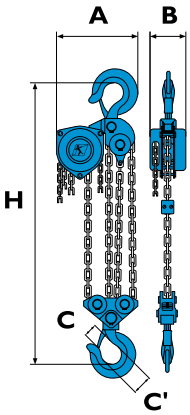
- Load limiter (except on ¼ and 1 t)
- Safety hooks



½ to 2 t
(500 to 4,000 lbs.)



3 to 5 t
(6,000 to 10,000 lbs.)



10 t
(20,000 lbs.)

MODEL		¼ t	½ t	1 t	1½ t	2 t	3 t	5 t	10 t	20 t
Capacity		500 lbs. (250 kg)	1,000 lbs. (500 kg)	2,000 lbs. (1,000 kg)	3,000 lbs. (1,500 kg)	4,000 lbs. (2,000 kg)	6,000 lbs. (3,000 kg)	10,000 lbs. (5,000 kg)	20,000 lbs. (10,000 kg)	40,000 lbs. (20,000 kg)
Standard lift		Lengths available: 10, 15, 20, 30 and 40 ft.								
Number of falls		1	1	1	1	1	2	2	4	8
Effort on lever at capacity		24 lbs. (11 kg)	46 lbs. (21 kg)	75 lbs. (34 kg)	84 lbs. (38 kg)	88 lbs. (40 kg)	92 lbs. (42 kg)	99 lbs. (45 kg)	101 lbs. (47 kg)	110 lbs. (50 kg)
Load chain size		4 x 12 mm	5 x 15 mm	6 x 18 mm	8 x 24 mm	8 x 24 mm	8 x 24 mm	10 x 30 mm	10 x 30 mm	10 x 30 mm
Hand chain size		5 x 24 mm	5 x 24 mm	5 x 24 mm	5 x 24 mm	5 x 24 mm	5 x 24 mm	5 x 24 mm	5 x 24 mm	5 x 24 mm
DIMENSIONS	A	3.9 in. (100 mm)	5.2 in. (132 mm)	6.1 in. (156 mm)	7.7 in. (196 mm)	6.1 in. (156 mm)	7.7 in. (196 mm)	9 in. (229 mm)	15.6 in. (395 mm)	25.3 in. (642 mm)
	B	4.5 in. (110 mm)	4.4 in. (112 mm)	5.3 in. (134 mm)	5.9 in. (150 mm)	5.3 in. (134 mm)	6.7 in. (171 mm)	6.7 in. (171 mm)	6.7 in. (171 mm)	7.9 in. (200 mm)
	C	0.7 in. (18 mm)	0.9 in. (23 mm)	1.1 in. (27 mm)	1.2 in. (31 mm)	1.4 in. (35 mm)	1.5 in. (38 mm)	1.8 in. (45 mm)	2.2 in. (57 mm)	3 in. (75 mm)
	H	9.1 in. (230 mm)	13.4 in. (340 mm)	15.4 in. (390 mm)	18.5 in. (470 mm)	20.9 in. (530 mm)	24.8 in. (630 mm)	28.7 in. (730 mm)	36.2 in. (920 mm)	41.3 in. (1,050 mm)
Unit weight with 10 ft. (3 m) lift		7.1 lbs. (3.2 kg)	18.7 lbs. (8.5 kg)	26.5 lbs. (12 kg)	39.7 lbs. (18 kg)	44.1 lbs. (20 kg)	57.3 lbs. (26 kg)	90.4 lbs. (41 kg)	176.4 lbs. (80 kg)	366 lbs. (166 kg)
Weight for each add. 5 ft. (1.5 m) of chain		–	5.5 lbs. (2.5 kg)	6.3 lbs. (2.8 kg)	8.3 lbs. (3.8 kg)	9.2 lbs. (4.2 kg)	13.7 lbs. (6.2 kg)	19.3 lbs. (8.8 kg)	35.6 lbs. (16.2 kg)	71 lbs. (32.3 kg)

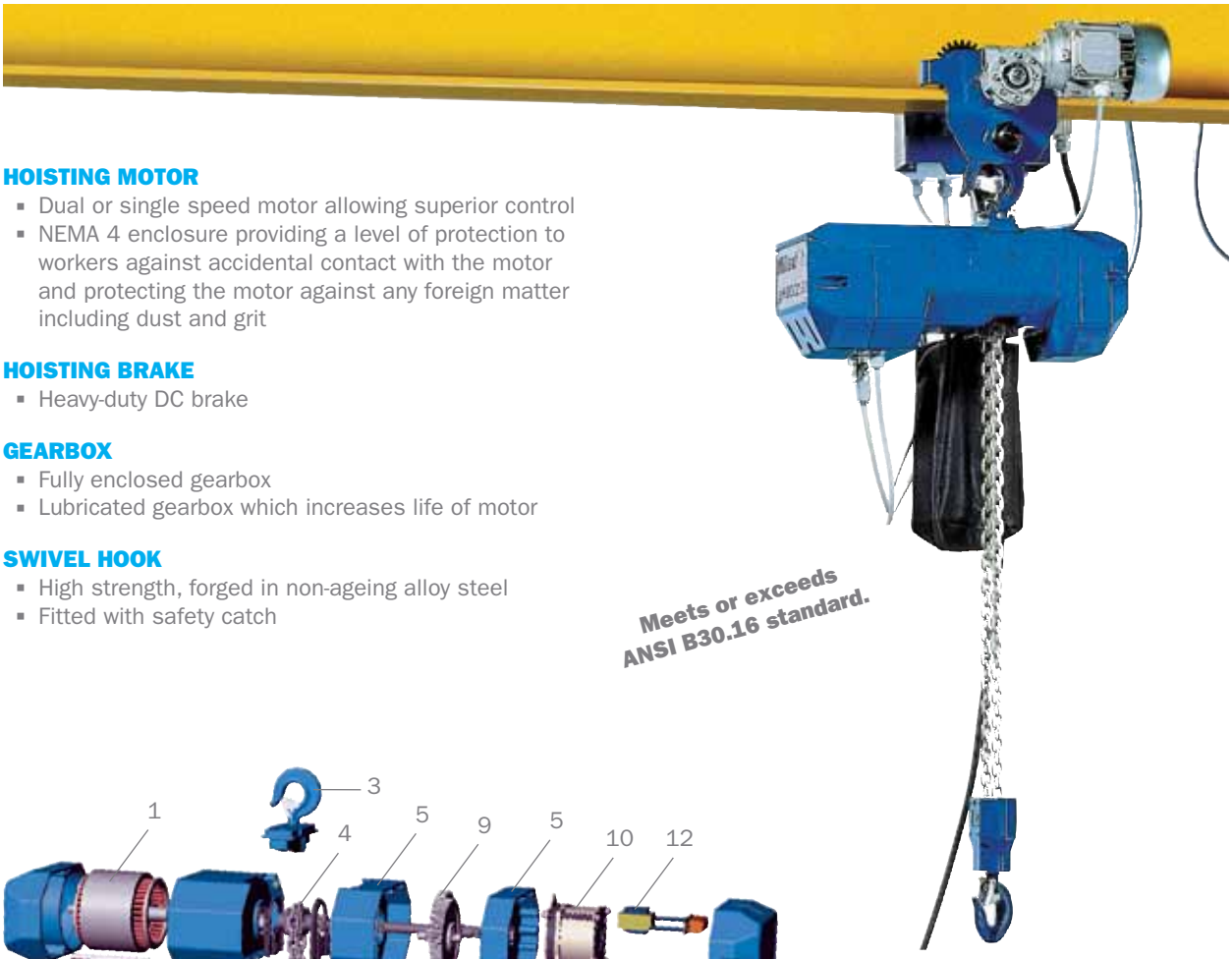
Overload devices are available.

See also:

corso® trolley
p. 28

www.tractel.com

tralift® TE
electric chain hoists



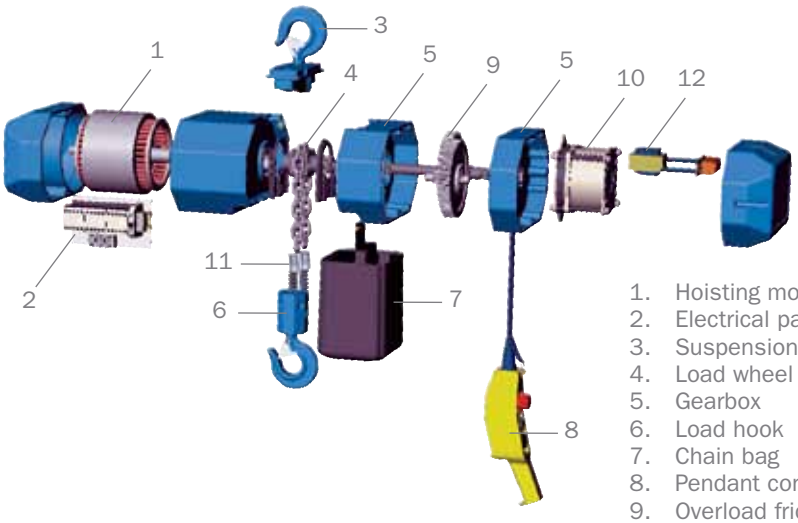
HOISTING MOTOR
- Dual or single speed motor allowing superior control
- NEMA 4 enclosure providing a level of protection to workers against accidental contact with the motor and protecting the motor against any foreign matter including dust and grit

HOISTING BRAKE
- Heavy-duty DC brake

GEARBOX
- Fully enclosed gearbox
- Lubricated gearbox which increases life of motor

SWIVEL HOOK
- High strength, forged in non-ageing alloy steel
- Fitted with safety catch

Meets or exceeds ANSI B30.16 standard.



1. Hoisting motor
2. Electrical panel
3. Suspension hook
4. Load wheel with chain guide
5. Gearbox
6. Load hook
7. Chain bag
8. Pendant control
9. Overload friction clutch
10. Lifting brake
11. Paddle limit switch
12. Terminal box

www.tractel.com

See also:


corso® beam clamp p. 29


corso® push trolley p. 28


corso® geared trolley p. 28


corso® motorized trolley p. 28

tralift® TE
electric chain hoists

STANDARD FEATURES

- H4 duty cycle
- 250 to 4,000 lbs. (¼ to 2 t) working load limit (WLL)
- Electromagnetic brake
- Friction clutch load limiter
- Quiet operation
- Low voltage control
- Upper and lower limit switches
- Emergency stop on pendant control station
- Plug in system on control cable
- Friction clutch load limiter operating as a safety limit switch
- Heavy duty load chain 80 grade
- Multi-sized chain bags
- Insulation NEMA 12 enclosure
- Power supply 220 or 480 V – 3 phase

OPTIONS

- One or two lifting speeds
- One or two chain falls
- Hook or lug suspension type
- Manual or powered trolley
- Fitted with an electric drive trolley

tralift® TE hoist on tubular profile with curve

MODEL	CAPACITY	NUMBER OF FALLS	LOAD CHAIN	LIFTING SPEED	MOTOR HORSE POWER	HOIST WEIGHT WITH 10 FT. LIFT	HOIST/TROLLEY WEIGHT			ELECTRIC TROLLEY	
				ONE SPEED / TWO SPEEDS			PUSH	GEARED	ELECTRIC	BEAM ADJUST. WIDTH (MIN./MAX.)	MINIMUM CURVE RADIUS
TE125	250 lbs. (125 kg)	1	5/32 x ½ in. (4 x 12 mm)	39 fpm (11.9 m/min) / 39/12 fpm (11.9/3.7 m/min)	0.4 kW	55 lbs. (25 kg)	73 lbs. (33 kg)	–	–	–	–
TE250	500 lbs. (250 kg)	1	3/16 x 19/32 in. (5 x 15 mm)	33 fpm (10.1 m/min) / 33/10 fpm (10.1/3 m/min)	0.55 kW	68 lbs. (31 kg)	86 lbs. (39 kg)	–	–	–	–
TE500	1,000 lbs. (500 kg)	1	½ x ¾ in. (6.3 x 19 mm)	33 fpm (10.1 m/min) / 33/10 fpm (10.1/3 m/min)	1.2 kW	73 lbs. (38 kg)	90 lbs. (46 kg)	105 lbs. (48 kg)	110 lbs. (80 kg)	2.5–7.4 in. (64–188 mm)	40 in. (1,016 mm)
TE500	1,000 lbs. (500 kg)	2	3/16 x 19/32 in. (5 x 15 mm)	16 fpm (4.9 m/min) / 16/5 fpm (4.9/1.5 m/min)	0.55 kW	84 lbs. (38 kg)	101 lbs. (46 kg)	117 lbs. (53 kg)	120 lbs. (54 kg)		
TE1000	2,000 lbs. (1,000 kg)	1	½ x ¾ in. (6.3 x 19 mm)	23 fpm (7 m/min) / 23/7 fpm (7/2.1 m/min)	2.1 kW	95 lbs. (49 kg)	117 lbs. (53 kg)	128 lbs. (58 kg)	132 lbs. (60 kg)	3.5–7.2 in. (88–182 mm)	47 in. (1,194 mm)
TE1000	2,000 lbs. (1,000 kg)	2	5/16 x 15/16 in. (8.4 x 24 mm)	16 fpm (4.9 m/min) / 16/5 fpm (4.9/1.5 m/min)	1.2 kW	124 lbs. (56 kg)	145 lbs. (66 kg)	156 lbs. (71 kg)	161 lbs. (73 kg)		
TE2000	4,000 lbs. (2,000 kg)	2	5/16 x 15/16 in. (8.4 x 24 mm)	13 fpm (4 m/min) / 13/3 fpm (4/0.9 m/min)	2.1 kW	141 lbs. (64 kg)	180 lbs. (82 kg)	190 lbs. (86 kg)	196 lbs. (89 kg)	–	–

** Data for electric trolley only. For push and geared see page 26.*

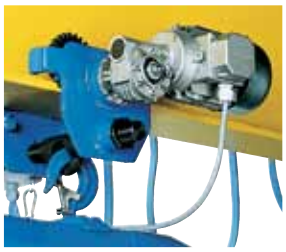
corso®
traveling trolleys

FEATURES

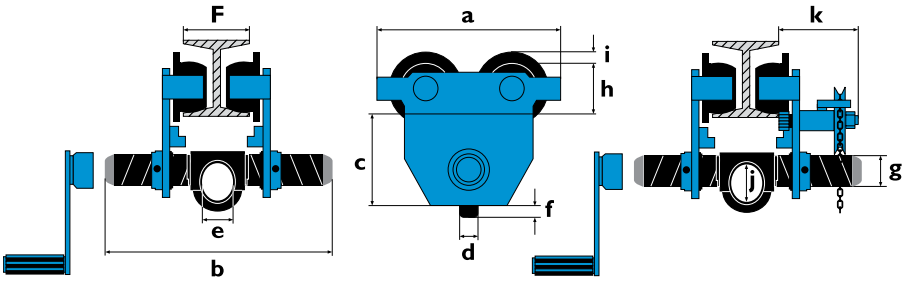
- Working load limit (WLL) from 1,000 to 40,000 lbs. (½ to 20 t)
- Over-dimensioned flanges
- Wide-adjustment range
- Designed to minimize overhead loss
- Steel rollers mounted on bearings
- Double-threaded traverse bar with closed suspension eye (½ to 10 t push trolley and 1 to 20 t chain operated)
- Blocking of traverse bar, after adjustment by BTR screw
- Steel end stops shaped to serve as anti-derail bars
- Very low headroom
- Quick and easy assembly and adjustment with the removable handle (supplied as standard)
- Extended hanger bars available for wide flange—up to 11.8 in. (30 cm)

Push trolley
½ to 10 t

Geared trolley
1 to 20 t



Motorized trolley
1 and 2 t

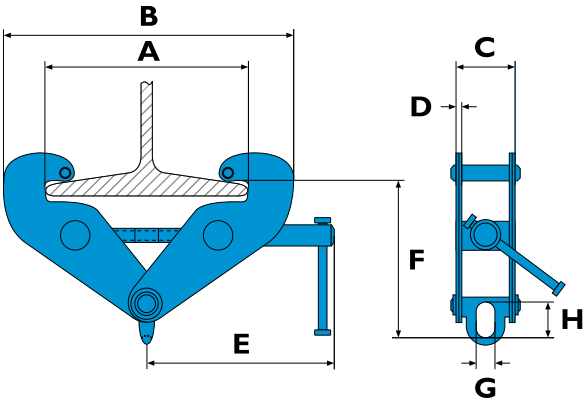


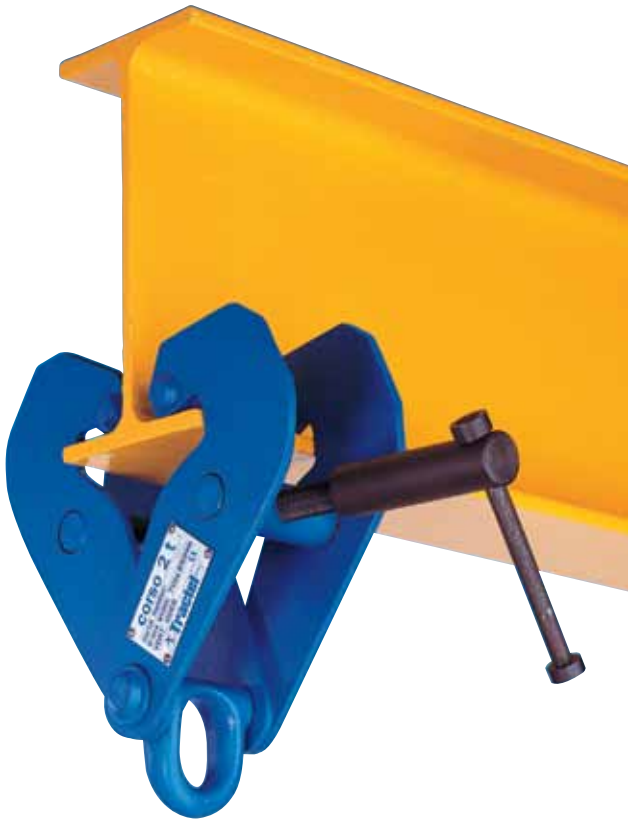
WLL	BEAM WIDTH (STANDARD) in. (mm)	BEAM WIDTH (SPECIAL) in. (mm)	RADIUS OF CURVE ft. (m)	EFFORT ON CHAIN AT CAPACITY lbs.	DIMENSIONS in. (mm)										WEIGHT lbs. (kg)		
					A	B	D	E	F	G	Ø H	I	J	K	PUSH	GEAR	MOTORIZED
½ t	2-8.7 (50-220)	8.7-11.8 (220-300)	3 (0.9)	–	8.9 (225)	12.8 (324)	0.6 (16)	1 (25)	0.6 (16)	1.1 (27)	2.1 (53)	0.4 (11)	1.2 (30)	–	18.7 (8.5)	–	–
1 t	2.3-8.7 (58-220)	8.7-11.8 (220-300)	3.3 (1)	12	9.9 (252)	13.2 (334)	0.7 (17)	1.2 (30)	0.7 (17)	1.2 (30)	2.4 (62)	0.6 (15)	1.4 (35)	3.9 (100)	22 (10)	42 (19)	51 (23.1)
2 t	3-8.7 (66-220)	8.7-11.8 (220-300)	3.9 (1.2)	22	11.8 (300)	13.5 (342)	0.8 (21)	1.6 (40)	0.7 (18)	1.5 (38)	3.2 (80)	0.7 (18)	1.8 (45)	4.7 (120)	40 (18)	50 (22.5)	62 (28.1)
3 t	2.9-8.7 (74-220)	8.7-11.8 (220-300)	4.2 (1.3)	16.5	14.2 (360)	14.1 (358)	0.8 (21)	1.9 (48)	0.7 (18)	1.8 (45)	3.8 (97)	0.6 (15)	2.2 (55)	5.3 (135)	71 (32)	83 (37.5)	–
5 t	3.5-8.7 (90-220)	8.7-11.8 (220-300)	4.6 (1.4)	26.5	15.8 (400)	14.7 (372)	1.2 (31)	2.5 (58)	0.8 (20)	2.1 (52)	4.3 (110)	0.8 (20)	2.6 (65)	5.7 (145)	107 (48.5)	121 (55)	–
10 t	5.6-12.6 (142-320)	–	8.2 (2.5)	–	18.5 (470)	16 (405)	1 (25)	3.1 (80)	–	–	5.9 (150)	0.59 (15)	–	6.7 (170)	220 (100)	220 (100)	–
20 t	6-12.6 (153-320)	–	16.4 (5)	–	39 (995)	16 (405)	1.4 (36)	4.3 (110)	–	–	5.9 (150)	0.59 (15)	–	6.7 (170)	–	463 (210)	–

corso®
beam clamps

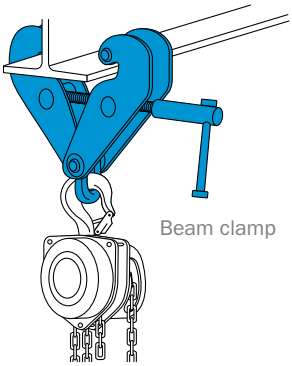
CORSO® BEAM CLAMPS FOR MANUAL AND ELECTRIC HOISTS, ANCHOR POINTS OR LIFTING CLAMPS

- Working load limit (WLL) from 1 to 10 t
- Range of five models
- Compact and sturdy construction
- Simple and fast adjustment on “I” beam



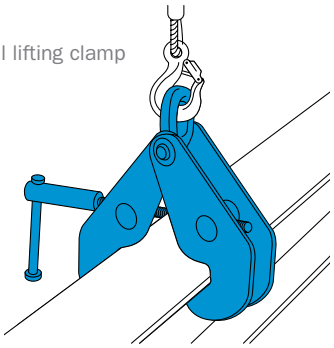


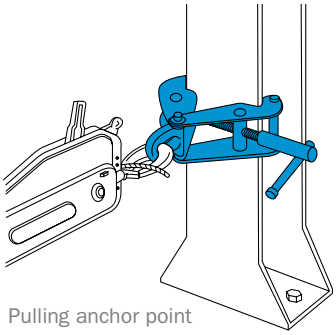
EXAMPLES OF APPLICATIONS



Beam clamp

Vertical lifting clamp





Pulling anchor point

MODEL	WLL	BEAM WIDTH in. (mm)	DIMENSIONS in. (mm)										WEIGHT lbs. (kg)
			A MAX.	B MIN.	B MAX.	C	D	E MIN.	F MIN.	F MAX.	G	H	
LT 1B	1 t	3–9 (75–230)	10.6 (270)	7.1 (180)	15 (380)	3 (76)	0.2 (1)	8.3 (210)	4.7 (120)	6.9 (175)	1.2 (30)	1.8 (45)	10.6 (4.8)
LT 2B	2 t	3–9 (75–230)	10.6 (270)	7.2 (182)	15 (84)	3.3 (6)	0.2 (210)	8.3 (130)	5.1 (130)	7.1 (180)	1.2 (30)	1.6 (40)	12.3 (5.6)
LT 3B	3 t	3.1–13 (80–330)	14.2 (360)	9.3 (234)	19.3 (490)	4.5 (115)	0.3 (8)	10.8 (275)	6.9 (175)	9.8 (250)	1.8 (45)	2.4 (60)	24 (11)
LT 5B	5 t	3.1–13 (80–330)	13.9 (354)	10 (253)	19.3 (490)	5.4 (138)	0.4 (10)	9.6 (245)	5.5 (140)	8.7 (220)	1.8 (45)	2.4 (60)	27.1 (12.3)
LT 10B	10 t	3.1–12.6 (80–320)	12.6 (320)	10 (255)	22.8 (580)	6.3 (160)	0.5 (12)	110.8 (275)	9.8 (250)	11.8 (300)	2.4 (60)	3.5 (90)	46.3 (21)

pakrol™

skates and trolleys skates

The pakrol™ heavy equipment dollies range has been designed to handle and move heavy and rigid loads manually on a flat floor.

BENEFITS

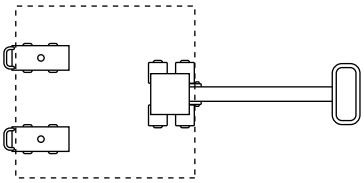
- Rugged frame
- Minimum maintenance
- Nylon or polyurethane wheels with ball bearing
- Handle for transport
- Trolley skate load plate with thrust bearings

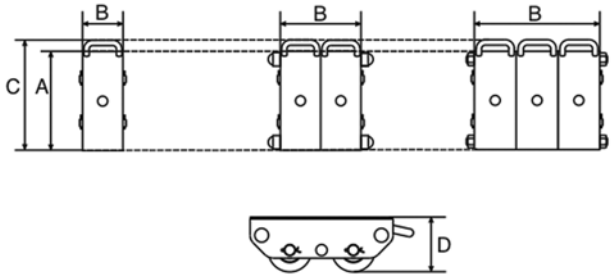
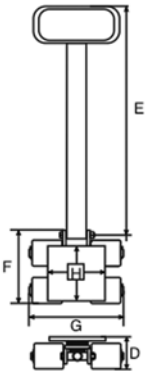
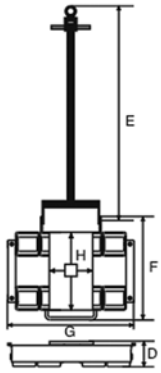
DESCRIPTION

To offer the best stability of the load and make its guiding easier, we recommend to share the load surface on two skates and one trolley skate (refer to the undermentioned sketch) for use with Top rack jack and Hydrofor toe jack.

CONFIGURATIONS

TOTAL LOAD	TROLLEY SKATE		SKATE
8 t	4 t	+	2 x 2 t
12 t	4 t	+	2 x 4 t
14 t	6 t	+	2 x 4 t
18 t	6 t	+	2 x 6 t
20 t	8 t	+	2 x 6 t



MODEL	SKATE 2 t	SKATE 4 t	SKATE 6 t	TROLLEY SKATE 4 t	TROLLEY SKATE 6 AND 8 t
					

Operating temperature range		14 to 86°F (-10 to 30°C)				
DIMENSIONS	A	10.6 in. (270 mm)	10.6 in. (270 mm)	10.6 in. (270 mm)	–	–
	B	4.2 in. (106 mm)	9.1 in. (232 mm)	13.7 in. (348 mm)	–	–
	C	12.1 in. (308 mm)	12.1 in. (308 mm)	12.1 in. (308 mm)	–	–
	D	4.3 in. (110 mm)	4.3 in. (110 mm)	4.3 in. (110 mm)	4.3 in. (110 mm)	4.3 in. (110 mm)
	E	–	–	–	37 in. (940 mm)	47.2 in. (1,200 mm)
	F	–	–	–	9 in. (230 mm)	20.9 in. (530 mm)
	G	–	–	–	11.7 in. (297 mm)	25.2 in. (640 mm)
	H	–	–	–	5.7 x 7.1 in. (145 x 180 mm)	15.7 x 8.7 in. (400 x 220 mm)
Weight		11 lbs. (5 kg)	24 lbs. (24 kg)	55 lbs. (25 kg)	31 lbs. (14 kg)	110 lbs. (50 kg)

top
rack jacks

The Top rack jack is operated by a crank handle. Lifting is controlled by a crank operating through a ratchet wheel with a double retaining catch, giving the jack additional safety. Lowering is by a locked ratchet, holding the load by friction discs.

BENEFITS

- Heavy-duty construction
- Can operate in limited space
- Full working load limit can be applied to head or toe
- The gear wheels, the pinions and the rack are made of heat treated steel
- The two-wheel ratchet mechanism located in the crank continuously supports the load
- The folding handle of the crank reduces the overall dimension of the jack during transport

MODEL	WORKING LOAD LIMIT ON HEAD AND TOE	LIFT	EFFORT ON HANDLE	WEIGHT
BT 1.5	1.5 t	11.8 in. (300 mm)	66 lbs. (30 kg)	39.7 lbs. (18 kg)
BT 3	3 t	14 in. (355 mm)	77 lbs. (35 kg)	44.1 lbs. (20 kg)
BT 5	5 t	13.6 in. (345 mm)	88 lbs. (40 kg)	61.7 lbs. (28 kg)
BT 10	10 t	15.3 in. (390 mm)	123 lbs. (56 kg)	101.4 lbs. (46 kg)

hydrofor
hydraulic jack

The Hydrofor jack is a manually operated single block hydraulic ram with a protecting lifting toe. Operating the lever will lift the load when the release button is closed. By turning smoothly this button counterclockwise, the load will be controlled downward. The same load can be handled either by the toe or by the jack head.

BENEFITS

- Versatile operation for various applications, even horizontally
- Full lifting capacity on toe or head for efficient high and low lifts
- Pressure limit device prevents overload for safe operation
- Screw release valve for easy and controlled lowering
- 360° swivel for ease of positioning
- High quality hydraulics for heavy duty operation
- Robust construction with a single block steel body

MODEL	TRAVEL OF RAM	TRAVEL OF TOE	TRAVEL OF HEAD	EFFORT ON LEVER	WEIGHT
5 t	8.1 in. (205 mm)	1–9.1 in. (25–230 mm)	14.5–22.6 in. (368–573 mm)	85.4 lbs. (380 N)	40 lbs. (18 kg)
10 t	9.1 in. (230 mm)	1.2–10.2 in. (30–260 mm)	16.5–25.6 in. (420–650 mm)	89.9 lbs. (400 N)	84 lbs. (38 kg)
25 t	8.5 in. (215 mm)	2.3–10.7 in. (58–273 mm)	19.9–28.3 in. (505–720 mm)	89.9 lbs. (400 N)	235 lbs. (107 kg)

pioneer
manual pallet truck

FEATURES
- The steering wheels and fork rollers have a polyurethane tread giving a good load capacity and requiring minimum effort to move
- The hydraulic pump control lever has three positions (lift, neutral and lower) and is well protected inside the rounded handle of the steering column which automatically returns to the vertical when released
- Mechanical stop to protect the pump from overloading
- The complete frame is protected by a double coating of acrylic paint applied after sand blast treatment

BENEFITS
- Polyurethane steering wheel and rollers for long life and load support
- Three position pump control lever (lift, neutral, lower)
- Pump has over load protection by means of mechanical overtravel limit
- Grease fitting on axles
- Auto return of drag bar handle
- Auto return of control lever to load holding position

MODEL	WORKING LOAD LIMIT	MINIMUM HEIGHT OF LIFT	MAXIMUM HEIGHT OF LIFT	FORK LENGTH	OVERALL WIDTH	STEERING WHEELS DIAMETER	FORK ROLLERS DIAMETER	WEIGHT
Pioneer	5,500 lbs. (2,500 kg)	2⅞ in. (73 mm)	7¾ in. (197 mm)	48 in. (1,220 mm)	27 in. (685 mm)	7 in. (178 mm)	2½ in. (64 mm)	186 lbs. (85 kg)
Pioneer XL	3,300 lbs. (1,500 kg)	2⅞ in. (73 mm)	7¾ in. (197 mm)	96 in. (2,438 mm)	27 in. (685 mm)	7 in. (178 mm)	3½ in. (89 mm)	325 lbs. (148 kg)

topal™
lifting clamps

KSA – PLATE CLAMP WITH RING

A clamp range combining simplicity and flexibility, designed for lifting plates during daily use.

- Reliable design, load fully secured and easy use
- Clamping is secured by a spring mechanism
- Flexible clamping range fully usable without presetting
- Lifting without revolving
- For steel plates up to 300 HB (Brinell hardness)

MODEL	WORKING LOAD LIMIT	OPENING	WEIGHT
KSA075 0-15	1,650 lbs. (750 kg)	0–9⁄16 in. (0–15 mm)	3.3 lbs. (1.5 kg)
KSA1 0-20	2,200 lbs. (1,000 kg)	0–¾ in. (0–20 mm)	7.0 lbs. (3.2 kg)

KS – MULTIPOSITION PLATE CLAMPS

A clamp range combining simplicity and flexibility, designed for lifting and revolving of plates, profiles, fabricated assemblies and steel frames during daily use.

- Lifting and revolving load with one clamp
- Clamping is secured by a stainless steel spring mechanism
- The chain sling gives easy manipulation and positioning of the load
- Flexible clamping range fully usable without presetting
- Large oval suspension lifting ring
- Lift from horizontal to vertical and back (90°), or lift from horizontal through vertical (180°)
- ‘Bites’ only on one side of work
- For steel plates up to 300 HB (Brinell hardness)

MODEL	WORKING LOAD LIMIT	OPENING	WEIGHT
KS075 0-15	1,650 lbs. (750 kg)	0–9⁄16 in. (0–15 mm)	3.5 lbs. (1.6 kg)
KS1 0-20	2,200 lbs. (1,000 kg)	0–¾ in. (0–20 mm)	7.7 lbs. (3.5 kg)
KS2 0-25	4,400 lbs. (2,000 kg)	0–1 in. (0–25 mm)	13.9 lbs. (6.3 kg)
KS3 0-30	6,600 lbs. (3,000 kg)	0–1⅛ in. (0–30 mm)	26.6 lbs. (12.1 kg)

topal™
lifting clamps

NK – MULTIPOSITION SELF-LOCKING CLAMP

The NK clamp has an automatic locking mechanism when the plate is correctly positioned at the back of the clamp's jaw.

- A clamp specifically for arduous working conditions
- Well adapted for heavy and abrasive loads
- Lever and clamping jaw protected from impact and wear
- Built with high strength materials
- The locking lever does not stick out so clamp may be used on the bare ground
- Permanently attached chain sling with a large oval suspension ring
- Lifting and revolving load with one clamp
- For steel plates up to 330 HB (Brinell hardness)

MODEL	WORKING LOAD LIMIT	OPENING	WEIGHT
NK1 0-20	3,300 lbs. (1,500 kg)	0–¾ in. (0–20 mm)	8.8 lbs. (4 kg)
NK1 20-40	3,300 lbs. (1,500 kg)	⅞–1½ in. (20–40 mm)	13.2 lbs. (6 kg)
NK1 40-60	3,300 lbs. (1,500 kg)	1⅝–2 5/16 in. (40–60 mm)	13.2 lbs. (6 kg)
NK2 0-30	6,600 lbs. (3,000 kg)	0–1⅛ in. (0–30 mm)	28.6 lbs. (13 kg)
NK2 30-60	6,600 lbs. (3,000 kg)	1 3/16–2 5/16 in. (30–60 mm)	33.0 lbs. (15 kg)
NK2 60-90	6,600 lbs. (3,000 kg)	2⅜–3½ in. (60–90 mm)	37.4 lbs. (17 kg)
NK3 0-40	9,900 lbs. (4,500 kg)	0–1½ in. (0–40 mm)	55.0 lbs. (25 kg)
NK3 40-80	9,900 lbs. (4,500 kg)	1⅝–3 in. (40–80 mm)	57.2 lbs. (26 kg)
NK3 80-120	9,900 lbs. (4,500 kg)	3 3/16–4⅝ in. (80–120 mm)	59.4 lbs. (27 kg)
NK5 0-50	16,500 lbs. (7,500 kg)	0–2 in. (0–50 mm)	92.6 lbs. (42 kg)
NK5 50-100	16,500 lbs. (7,500 kg)	2–4 in. (50–100 mm)	110.0 lbs. (50 kg)
NK5 100-150	16,500 lbs. (7,500 kg)	4–5⅝ in. (100–150 mm)	132.0 lbs. (60 kg)

topal™
lifting clamps

NX/NXR – NON-MARRING MULTIPOSITION CLAMP

Self-locking plate clamps for very hard or sensitive loads.

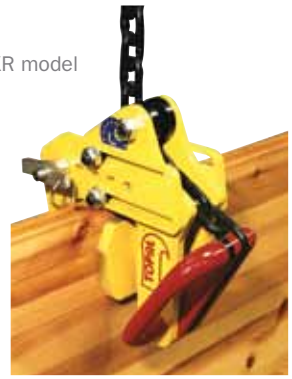
The NX is designed for lifting and revolving without marring of smooth or polished pieces such as stainless steel plates, aluminium, pre-lacquered plates, wood, laminated sheets, marble, concrete, glass, plastic or any other fragile surface.

- A clamp for all situations, with no risk of damaging load
- For any rigid load up to 3,300 lbs. (1,500 kg) and 5½ in. (140 mm) in thickness
- Permanently attached chain sling with a large oval suspension ring
- Non-marring Polyurethane coated jaws
- Automatic clamping (manual clamping recommended for fragile materials)

NX model

MODEL	WORKING LOAD LIMIT	OPENING	WEIGHT
NX05 0-20	1,100 lbs. (500 kg)	0 – 13⁄16 in. (0 – 20 mm)	9.9 lbs. (4.5 kg)
NX1.5 0-30	3,300 lbs. (1,500 kg)	0 – 1⅛ in. (0 – 30 mm)	24 lbs. (11 kg)
With adjustable clamp settings			
NXR05 0-100	1,100 lbs. (500 kg)	0 – 3 15⁄16 in. (0 – 100 mm)	13.2 lbs. (6 kg)
NXR05 20-120	1,100 lbs. (500 kg)	13⁄16 – 4¼ in. (20 – 120 mm)	12.8 lbs. (5.8 kg)
NXR05 40-140	1,100 lbs. (500 kg)	1 9⁄16 – 5½ in. (40 – 140 mm)	13.2 lbs. (6 kg)

NXR model



topal™
pipe hook

F – PIPE HOOK

Heavy duty hooks used in pairs for lifting horizontal pipes or tubes made of various materials.

- Easy to use
- Large range of capacities up to 33,000 lbs. (15,000 kg)
- Grade 80 or better chain slings are not included
- Standard model or with PVC protection available

MODEL	WORKING LOAD LIMIT*	CHAIN Ø	MAX. OPENING	WEIGHT*
F2 0-60	4,400 lbs. (2,000 kg)	5⁄16 in. (8.4 mm)	2⅜ in. (60 mm)	8.8 lbs. (4 kg)
F5 0-75	11,000 lbs. (5,000 kg)	½ in. (13 mm)	3 in. (75 mm)	24.2 lbs. (11 kg)
F7.5 0-100	16,500 lbs. (7,500 kg)	⅝ in. (16 mm)	4 in. (100 mm)	33.1 lbs. (15 kg)
F10 0-100	22,000 lbs. (10,000 kg)	⅝ in. (16 mm)	4 in. (100 mm)	52.8 lbs. (24 kg)
F15 0-100	33,000 lbs. (15,000 kg)	⅞ in. (20 mm)	4 in. (100 mm)	88 lbs. (40 kg)

**When used as a pair.*

topal™
lifting clamps

TLH – HORIZONTAL PLATE CLAMP

The TLH is a horizontal lifting clamp that automatically adjusts to the load thickness by a pivoting actuator that secures every load by the lifting action of the clamp.

- Designed to be used in multiples of 2, 3 or 4 clamps according to load, sizing and shape
- Loads up to 5⅞ in. (150 mm) in thickness, including stacked plates
- Grade 80 or higher chain slings are not included

MODEL	WORKING LOAD LIMIT*	OPENING	WEIGHT*
TLH1 0–60	2,200 lbs. (1,000 kg)	0–2⅜ in. (0–60 mm)	13.2 lbs. (6 kg)
TLH1 0-120	2,200 lbs. (1,000 kg)	0–4¾ in. (0–120 mm)	22 lbs. (10 kg)
TLH2 0-60	4,400 lbs. (2,000 kg)	0–2⅜ in. (0–60 mm)	22 lbs. (10 kg)
TLH2 0-120	4,400 lbs. (2,000 kg)	0–4¾ in. (0–120 mm)	35.3 lbs. (16 kg)
TLH3 0-60	6,600 lbs. (3,000 kg)	0–2⅜ in. (0–60 mm)	26.5 lbs. (12 kg)
TLH3 0-150	6,600 lbs. (3,000 kg)	0–5⅞ in. (0–150 mm)	58.4 lbs. (26.5 kg)
TLH4 0-60	8,800 lbs. (4,000 kg)	0–2⅜ in. (0–60 mm)	35.2 lbs. (16 kg)
TLH4 0-150	8,800 lbs. (4,000 kg)	0–5⅞ in. (0–150 mm)	75 lbs. (34 kg)
TLH5 0-60	11,000 lbs. (5,000 kg)	0–2⅜ in. (0–60 mm)	44.0 lbs. (20 kg)
TLH5 0-150	11,000 lbs. (5,000 kg)	0–5⅞ in. (0–150 mm)	92.6 lbs. (42 kg)
TLH10 0-60	22,000 lbs. (10,000 kg)	0–2⅜ in. (0–60 mm)	70 lbs. (32 kg)
TLH10 0-150	22,000 lbs. (10,000 kg)	0–5⅞ in. (0–150 mm)	136 lbs. (62 kg)

**When used as a pair.*

VDL – CLAMP FOR LIFTING STEEL DRUMS WITH RIM

The VDL clamp is composed of a two-leg sling fitted with an oval suspension ring and two clamps which are equipped with a rim-pinching system.

- A unique clamp to lift and handle all sized steel drum (with rim)
- Clamp the drum in a horizontal or vertical position
- Working load limit up to 2,200 lbs. (1,000 kg)

MODEL	WORKING LOAD LIMIT	DRUM Ø (MIN./MAX)	WEIGHT
VDL-1	2,200 lbs. (1,000 kg)	6–37½ in. (150–950 mm)	7.7 lbs. (3.5 kg)

pal-turn
load turners

The Pal-Turn load turner line is designed to rotate heavy and/or bulky loads while keeping a safe working environment.

The Pal-Turn tube is controlled by a central gear-driven motor which rotates a heavy duty carrying bar with two pulleys at each end that rotate the load safely.

The Pal-Turn mono pulley is designed to be used wherever two lifting points are needed and larger loads needs to be rotated in synchronization.

Pal-Turn tube

BENEFITS
- No load sliding or dropping risk
- No marking or damage to the load
- Productivity savings in time and people required
- Efficient one machine for several operations
- Requires little maintenance

USES
- Quality control
- Machining and assembling
- Final finishing
- Material transport
- Equipment maintenance

APPLICATIONS
- Foundries
- Factories
- Civil engineering and construction
- Shipyards and docks
- Packing facilities
- Service and maintenance

The Pal-Turn load turner line is custom-made for individual applications. Please contact Tractel®'s customer service for more information.

Pal-Turn mono pulley

	1 lifting point	Multiple lifting points
	PAL-TURN TUBE	PAL-TURN MONO PULLEY
Capacity	1, 2, 5, 10, 20 t	2, 5, 10, 20 t
Load length	40 to 590 in. (1 to 15 m) depending on rigidness of load	Depends on the number of mono pulleys, means of lifting and rigidness of load
Standard	▪ Remote control with cable ▪ Single-speed traction system ▪ Lifting speed 98 fpm (30 m/min)	
Options	▪ Chain pulleys for high-temperature loads (>176°F [80°C]) ▪ Independent battery-operated model ▪ Radio remote with or without infrared validation ▪ Dual-speed traction system ▪ Frequency dimmer ▪ Additional lifting points, retractable lower hook ▪ Chains or webbing straps: open or endless, adjusted to the load, with PU protection on one or both sides. ▪ Protection of IP 55 or more Options for Pal-Turn tube ONLY ▪ Stationary or adjustable pulley distance ▪ Load tilting signal (light and/or sound) ▪ Storage and handling rack	

MEASURE AND CONTROL

dynafor®

dynamometer selection guide

Measure and control of forces and loads in Industry

Solution for multiple applications. Adjustment certificate. Optional ISO 376.

MODEL	CAPACITY	PRECISION	REMOTE DISPLAY	PROTECTION RATING	FUNCTIONALITIES
 **handifor®**	20 / 50 / 100 / 200 kg	0.5%	No	IP 40	**BASIC** ▪ Tare ▪ Units ▪ Peak load ▪ Automatic stop
 **LLZ2**	1 / 3.2 / 6.4 / 12.5 / 20 t	0.3%	No	IP 65	
 **LLX1**	0.5 / 1 / 2 / 3.2 / 5 / 6.3 / 12.5 / 20 t	0.2%	Yes, optional	IP 65	**STANDARD** ▪ Basic functionalities + ▪ Settable automatic stop ▪ Filtering settable dynamic effects
 **MWX**	0.5 / 1 / 2 / 3.2 / 5 / 6.3 / 12.5 /25 t	0.1%	Yes, optional	IP 65	
 **LLX2**	0.5 / 1 / 2 / 3.2 / 5 / 6.3 / 10 t	0.1%	Yes	IP 66 IP 67 optional	**ADVANCED** ▪ Standard functionalities + ▪ Settable automatic stop ▪ Functionalities listed below
 **LLXh**	15 / 25 / 50 / 100 / 250 t	0.2%	Yes	IP 66 IP 67 optional	

LLX2 display

AL63

ADVANCED SPECIFIC FUNCTIONALITITES

FUNCTIONALITY	ADDITIONAL EQUIPMENT
Backlight screen	–
Locking of setting menu	–
Multiple and settable alarms	–
Associations of multiple sensors/displays	Remote LLX2 display
High visibility wired remote LED display	AL63 or AL128 display units
Data acquisition on PC (1-8 sensors)	dynafor® connection software
IT integration (1-32 sensors)	Communication protocol

handifor®
mini weighers

The lightweight, compact and ergonomic handifor® is built for measuring small forces or loads. Specially designed for difficult load checking conditions, the handifor® will measure the weight of your packages, dispatch bags, courier, materials in laboratories and many other materials that need weighing.

TECHNICAL SPECIFICATIONS

- Built to measure small forces or loads in different environments
- Accuracy: ±0.5% of capacity
- Temperature range: from -10°C to 50°C (14°F to 122°F)
- Units of measure: lbs. and kg
- 9/16 in. (14 mm) LCD digits
- Power supply: two 1.5 V “AAA” batteries
- Operating life: 100 hours
- Protection: IP 40
- Supplied with a snap shackle and a “S” hook

MODEL	WLL	ACCURACY	MIN. DISPLAY	INCREMENT	MAX. DISPLAY	WEIGHT
handifor®	40 lbs. (20 kg)	±0.2 lbs. (±0.1 kg)	0.2 lbs. (0.1 kg)	0.2 lbs. (0.1 kg)	55 lbs. (25 kg)	1.1 lbs. (0.5 kg)
handifor®	100 lbs. (50 kg)	±0.6 lbs. (±0.3 kg)	0.4 lbs. (0.2 kg)	0.4 lbs. (0.2 kg)	65 kg (143 lbs.)	1.1 lbs. (0.5 kg)
handifor®	200 lbs. (100 kg)	±1.1 lbs. (± 0.5 kg)	0.4 lbs. (0.2 kg)	0.4 lbs. (0.2 kg)	286 lbs. (130 kg)	1.3 lbs. (0.6 kg)
handifor®	400 lbs. (200 kg)	±2.2 lbs. (±1.0 kg)	1 lbs. (0.5 kg)	1.1 lbs. (0.5 kg)	572 lbs. (260 kg)	4.2 lbs. (0.9 kg)

dynafor® LLZ2
load indicators

The dynafor® LLZ2 is rugged and lightweight precision industrial dynamometer. It measures tensile forces or suspended loads in all positions. The dynamometer displays in pounds, kilograms or decanewtons and offers more than 350 hours of battery life.

Ideal for monitoring lifting systems, check weighing in factories, for checking tension in power lines and guy ropes, and many other applications. The dynafor® LLZ2 display’s shape with beveled corners minimizes the risk of catching during operations of lifting in difficult environments.

TECHNICAL SPECIFICATIONS

- Accuracy: ±0.3% of nominal capacity
- Extended capacity range from 2,000 to 40,000 lbs. (1 to 20 t)
- Operating temperature range from -4°F to 122°F (-20°C to 50°C)
- Power supply: two 1.5 V “AAA” batteries
- Protection: IP 65 (NEMA 4)
- Display in mass or force
- 11/16 in. (18 mm) LCD digits

APPLICATIONS

- Monitoring lifting systems
- Test bench
- Checking data input and output in factories
- Checking tension in power lines and guy ropes
- Checking the pulling capacity of trawler

OPTIONAL ACCESSORIES

- Shackles
- Hooks

MODEL	WLL	ACCURACY (0.3%)	MIN. DISPLAY	INCREMENT	MAX. DISPLAY	WEIGHT
LLZ2 – 1 t	2,000 lbs. (1,000 kg)	±6.6 lbs. (±3 kg)	2 lbs. (1 kg)	2 lbs. (1 kg)	2,200 lbs. (1,100 kg)	1.8 lbs. (0.8 kg)
LLZ2 – 3.2 t	6,400 lbs. (3,200 kg)	±19.8 lbs. (±9.6 kg)	10 lbs. (5 kg)	10 lbs. (5 kg)	7,040 lbs. (3,520 kg)	2 lbs. (0.9 kg)
LLZ2 – 6.3 t	12,600 lbs. (6,300 kg)	±39.7 lbs. (±18.9 kg)	20 lbs. (10 kg)	20 lbs. (10 kg)	13,860 lbs. (6,930 kg)	3.1 lbs. (1.4 kg)
LLZ2 – 12.5 t	25,000 lbs. (12,500 kg)	±81.6 lbs. (±37.5 kg)	40 lbs. (20 kg)	40 lbs. (20 kg)	27,500 lbs. (13,750 kg)	7.1 lbs. (3.2 kg)
LLZ2 – 20 t	40,000 lbs. (20,000 kg)	±132.3 lbs. (±60 kg)	100 lbs. (50 kg)	100 lbs. (50 kg)	44,000 lbs. (22,000 kg)	11 lbs. (5 kg)

dynafor® LLX1
load indicators

The leader in industrial dynamometers
PRECISE | STRONG | RELIABLE

The dynafor® LLX1 dynamometers are precision force sensors used to measure forces and indicate loads. The shape of the dynamometers enables the use of standard shackles on both ends. The dynamometers of this range function in all positions for the measurement of force and suspended for weighing purpose.

OPERATING PRINCIPLE
Strain gauge measurement of the extension, within its limits of elasticity, of a metal body subjected to traction stress. The sensor generates an electrical signal that is proportional to the load. This signal is processed by a micro-processor analyser and then displayed on a built in LCD display.

TECHNICAL SPECIFICATIONS
- Precision: ±0.2% of the full scale
- Range: from 1,000 to 40,000 lbs. (½ up to 20 t)
- 11⁄16 in. (18 mm) LCD digits
- Long lasting (batteries included)
- Protection: IP 65 (NEMA 4)
- CEM approved
- Radio certification: – FCC Part 15 (US)
  – Approved by Industry Canada
- Safety coefficient: more than four
- Comes in a plastic carrying case
- Option: LLX1 Remote readout
- Worldwide accreditation
- Wireless range up to 131 ft. (40 m)
- Interchangeability with other displays
- Bow shackles and swivel hooks available

MODEL	WORKING LOAD LIMIT	ACCURACY	MINIMUM DISPLAY	INCREMENT	WEIGHT
LLX1 – ½ t	1,000 lbs. (500 kg)	±2.2 lbs. (±1.0 kg)	0.5 lbs. (0.2 kg)	0.5 lbs. (0.2 kg)	2.4 lbs. (1.1 kg)
LLX1 – 1 t	2,000 lbs. (1,000 kg)	±4.4 lbs. (±2.0 kg)	1 lbs. (0.5 kg)	1 lbs. (0.5 kg)	2.4 lbs. (1.1 kg)
LLX1 – 2 t	4,000 lbs. (2,000 kg)	±8.8 lbs. (±4.0 kg)	2 lbs. (1 kg)	2 lbs. (1 kg)	2.9 lbs. (1.3 kg)
LLX1 – 3.2 t	6,400 lbs. (3,200 kg)	±13.2 lbs. (±6.0 kg)	2 lbs. (1 kg)	2 lbs. (1 kg)	3.3 lbs. (1.5 kg)
LLX1 – 5 t	10,000 lbs. (5,000 kg)	±22.0 lbs. (±10.0 kg)	5 lbs. (2 kg)	5 lbs. (2 kg)	5.0 lbs. (2.3 kg)
LLX1 – 6.3 t	12,600 lbs. (6,300 kg)	±28.6 lbs. (±13.0 kg)	5 lbs. (2 kg)	5 lbs. (2 kg)	5.0 lbs. (2.3 kg)
LLX1 – 12.5 t	25,000 lbs. (12,500 kg)	±55.0 lbs. (±25.0 kg)	10 lbs. (5 kg)	10 lbs. (5 kg)	9.5 lbs. (4.3 kg)
LLX1 – 20 t	40,000 lbs. (20,000 kg)	±88.0 lbs. (±40.0 kg)	20 lbs. (10 kg)	20 lbs. (10 kg)	15.4 lbs. (7 kg)
LLX1 display	–	–	–	–	0.44 lbs. (0.2 kg)

dynafor® LLX2
load indicators

The Tractel® dynafor® LLX2 is a major innovation in industrial dynamometry, providing the highest degree of ergonomics, precision, reliability, flexibility and endurance.

TECHNICAL SPECIFICATIONS
- Accuracy: ±0.1% of nominal capacity
- Capacity range from 1,000 to 20,000 lbs. (½ to 10 t)
- Operating temperature range from -4 to 104°F (-20 to 40°C)
- Power supply: three 1.5 V “AA” batteries
- Sensor protection: IP 66 (NEMA 4)
- Display protection: IP 54 (NEMA 3)

FEATURES AND BENEFITS
- Removable display:
  - Radio connection 2.4 GHz
  - 260 ft. (80 m) range—very convenient to monitor loads from afar
  - Able to transmit load data to a maximum of four different displays
  - Allows for up to four sensors to send data to a single display, individual and summed
  - 1 in. (25 mm) LED digits with backlight
- Allows for use with Tractel® ’s monitoring software to print or record data being displayed
- Range of fastening accessories—uses standard grade 80 and above attachment fittings
- Crossed fastening planes allow for articulation in two axis
- Resistant to shock and weather
- Wireless link, allows up to 16 units to operate in the same proximity without interference
- Coefficient safety: minimum four
- Removable / Detachable display 1 x Li-on battery (delivered with charger)
- The standard version of the equipment comes with batteries and power pack in a carrying case
- Radio certification: – FCC Part 15 (US)
  – Approved by Industry Canada

OPTIONAL ACCESSORIES
- Monitoring software for PC
- Chain accessories with rapid connection
- Connecting shackles
- Protection: IP 67 (NEMA 6) with precision of ±0.2% of nominal capacity and range of 200 ft. (60 m)

MODEL	WORKING LOAD LIMIT	ACCURACY	MINIMUM DISPLAY	INCREMENT	WEIGHT
LLX2 – ½ t	1,000 lbs. (500 kg)	±1.1 lbs. (±0.5 kg)	0.5 lbs. (0.5 kg)	0.2 lbs. (0.1 kg)	5,1 lbs. (2.3 kg)
LLX2 – 1 t	2,000 lbs. (1,000 kg)	±2.2 lbs. (±1 kg)	2.5 lbs. (1 kg)	0.5 lbs. (0.2 kg)	5,1 lbs. (2.3 kg)
LLX2 – 2 t	4,000 lbs. (2,000 kg)	±4.4 lbs. (±2 kg)	5 lbs. (2.5 kg)	1 lbs. (0.5 kg)	5,1 lbs. (2.3 kg)
LLX2 – 3.2 t	6,400 lbs. (3,200 kg)	±6.4 lbs. (±3.2 kg)	5 lbs. (2.5 kg)	1 lbs. (0.5 kg)	5,1 lbs. (2.3 kg)
LLX2 – 5 t	10,000 lbs. (5,000 kg)	±11 lbs. (±5 kg)	10 lbs. (5 kg)	2 lbs. (1 kg)	7.5 lbs. (3,4 kg)
LLX2 – 6.3 t	12,600 lbs. (6,300 kg)	±13.9 lbs. (±6.3 kg)	10 lbs. (5 kg)	2 lbs. (1 kg)	7.5 lbs. (3,4 kg)
LLX2 – 10 t	20,000 lbs. (10,000 kg)	±22 lbs. (±10 kg)	25 lbs. (10 kg)	5 lbs. (2 kg)	14,3 lbs. (6,5 kg)
LLX2 display	–	–	–	–	0.44 lbs. (0.2 kg)

dynafor® LLXh
load indicators

dynafor® LLXh devices are load indicators to measure hanging loads in pounds or kilograms. and tensile forces (N). The radio connection (2.4 GHz) with 260 ft. (80 m) working range is permanent between the dynafor® LLXh sensor and the display unit. The shape of the dynamometers enable the use of standard shackles on both ends. The dynamometers of this range function in all positions for the measurement of force and suspended for weighing purpose.

OPERATING PRINCIPLE

Strain gauge measures the extension, within its limits of elasticity, of a metal body subjected to traction stress. The sensor generates an electrical signal that is proportional to the load. This signal is processed by a micro-processor analyser and then transmitted via radio waves to the display unit, which immediately displays the load applied to the sensor to which it is linked. The display unit is compatible with all of the dynafor® LLX2 or LLXh model sensors, irrespective of their capacity.

TECHNICAL SPECIFICATIONS

- Accuracy: ±0.2% of nominal capacity
- Capacity range from 30,000 to 500,000 lbs. (15 to 250 t)
- Operating temperature range from -4 to 104°F (-20 to 40°C)
- Power supply: three 1.5 V “AA” batteries
- Sensor protection: IP 65 (NEMA 5)
- Optional sensor protection: IP 67 (NEMA 6)
- Display protection: IP 54 (NEMA 3)
- Radio certification: – FCC Part 15 (US)
  – Approved by Industry Canada

FEATURES

- Utilizes the same technology as the dynafor® LLX2, which permits the use of the same remote display with the following features:
  - 260 ft. (80 m) range: very convenient to monitor loads from afar.
  - Wireless link, allows up to 16 units to operate in the same proximity without interference
  - Able to transmit load data to a maximum of four different displays
  - Allows for up to four sensors to send data to a single display, individual and summed
  - 1 in. (25 mm) LED digits with backlight
- Allows for use with Tractel®’s monitoring software to print or record data being displayed

OPTIONAL ACCESSORIES

- Monitoring software for PC
- Connecting shackles
- Protection: IP 67 (NEMA 6) with precision of ±0.2% of nominal capacity and range of 200 ft. (60 m)

MODEL	WORKING LOAD LIMIT	ACCURACY	MINIMUM DISPLAY	INCREMENT	WEIGHT
LLXh – 15 t	30,000 lbs. (15,000 kg)	±66 lbs. (±30 kg)	50 lbs. (25 kg)	10 lbs. (5 kg)	8.8 lbs. (4 kg)
LLXh – 25 t	50,000 lbs. (25,000 kg)	±110 lbs. (±50 kg)	100 lbs. (50 kg)	20 lbs. (10 kg)	14.5 lbs. (6,6 kg)
LLXh – 50 t	100,000 lbs. (50,000 kg)	±220 lbs. (±100 kg)	200 lbs. (100 kg)	40 lbs. (20 kg)	33 lbs. (15 kg)
LLXh – 100 t	200,000 lbs. (100,000 kg)	±440 lbs. (±200 kg)	500 lbs. (250 kg)	100 lbs. (50 kg)	101 lbs. (46 kg)
LLXh – 250 t	500,000 lbs. (250,000 kg)	±1,100 lbs. (±500 kg)	1,000 lbs. (500 kg)	200 lbs. (100 kg)	473 lbs. (215 kg)
LLXh display	–	–	–	–	0.44 lbs. (0.2 kg)

dynafor® MWX
crane scales

The dynafor® MWX gives you the possibility to control and measure loads on cranes. It has great work autonomy of up to 350 hours battery life. The dynafor® MWX, with its LCD readout, programmable functions and remote display, is ideal for weighing with cranes. Infrared control with LCD and remote read-out available on all models.

TECHNICAL SPECIFICATIONS

- Accuracy: ±0.1% of nominal capacity
- Capacity range from 1,000 to 50,000 lbs. (½ to 25 t)
- Operating temperature from 14 to 104°F (-10 to 40°C)
- Power supply: three 1.5 V "AA" batteries, up to 350 hours
- 11⁄16 in. (18 mm) LCD digits
- Protection: IP 65 (NEMA 4)
- Temperature automatically compensates to zero adjustment when equipment is switched on free of load
- Radio certification: – FCC Part 15 (US)
  – Approved by Industry Canada

FEATURES

- LCD display
- Automatic zero when switched on
- Tare over full range
- Peak hold: maximum effort held in memory
- Low battery indicator
- Overload indicator
- Articulate in two axis: front to back and side to side
- Swivel hook or shackle is available as an option on the 50,000 lbs. (25 t) model

OPTIONAL ACCESSORIES

- Infra-red controled with 30 ft. (10 m) range
- Radio controled with 200 ft. (60 m) range

½ to 12.5 t models

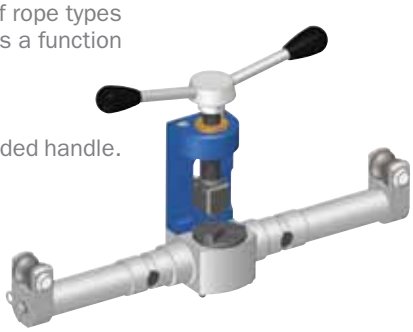
25 t model

MODEL	WORKING LOAD LIMIT	ACCURACY	MINIMUM DISPLAY	INCREMENT	WEIGHT
MWX - ½ t	1,000 lbs. (500 kg)	±1.1 lbs. (±0.5 kg)	0.5 lbs. (0.2 kg)	0.5 lbs. (0.2 kg)	9.5 lbs. (4.3 kg)
MWX - 1 t	2,000 lbs. (1,000 kg)	±2.2 lbs. (±1 kg)	1 lbs. (0.5 kg)	1 lbs. (0.5 kg)	9.5 lbs. (4.3 kg)
MWX - 2 t	4,000 lbs. (2,000 kg)	±4.4 lbs. (±2 kg)	2 lbs. (1 kg)	2 lbs. (1 kg)	9.5 lbs. (4.3 kg)
MWX - 3.2 t	6,400 lbs. (3,200 kg)	±6.4 lbs. (±3.2 kg)	2 lbs. (1 kg)	2 lbs. (1 kg)	9.5 lbs. (4.3 kg)
MWX - 5 t	10,000 lbs. (5,000 kg)	±11 lbs. (±5 kg)	5 lbs. (2 kg)	5 lbs. (2 kg)	20 lbs. (9 kg)
MWX - 6.3 t	12,600 lbs. (6,300 kg)	±13.9 lbs. (±6.3 kg)	5 lbs. (2 kg)	5 lbs. (2 kg)	20 lbs. (9 kg)
MWX - 12.5 t	25,000 lbs. (12,500 kg)	±27.5 lbs. (±12.5 kg)	10 lbs. (5 kg)	10 lbs. (5 kg)	44 lbs. (20 kg)
MWX - 25 t	50,000 lbs. (25,000 kg)	±55 lbs. (±25 kg)	20 lbs. (10 kg)	20 lbs. (10 kg)	53 lbs. (24 kg)

dynarope HF 36
tensiometer

The Dynarope is designed for measuring forces in pretensioned wire ropes (guys, aerials, pylons and masts, supports, catenaries and all textiles ropes or wire ropes) that cannot be dismantled and for which tension must be known or confirmed. The Dynarope fits directly onto the tensioned wire rope and is simply held in position by turning a handle. This device is comprised of a load cell with strain gauges and a display driven by a microprocessor. Display of the force measured by the load cell takes into account parameters you enter such as the diameter, composition and structure of the rope.

NUMERIC DISPLAY
Digital technology allows the Dynarope to contain an extremely large database of rope types and sizes. When in "special" operation, the user may create his own database as a function of specific parameters.



QUICK FITTING AND REMOVAL OPERATIONS
For repetitive measuring operations, a simple mechanical lever replaces the threaded handle.

TECHNICAL SPECIFICATIONS
- Accuracy: <1% of nominal capacity
- Capacity range from 440 to 88,000 lbs. (200 to 40,000 kg)
- Large range of wire rope sizes from 3⁄16 to 1¾ in. (5 to 44 mm)
- Operating temperature from -4 to 140°F (-20 to 60°C)
- Power supply: three 1.5 V "AA" batteries, up to 200 hours
- Displays mass or force
- Protection: IP 65 (NEMA 4)

MODEL	WORKING LOAD LIMIT	WIRE ROPE Ø	MINIMUM DISPLAY	INCREMENT	WEIGHT
HF 36/1/LPT	400–10,000 lbs. (200–5,000 kg)	3⁄16–½ in. (5–13 mm)	400 lbs. (200 kg)	10 lbs. (5 kg)	5.3 lbs. (2.4 kg)
HF 36/2/LPT	800–40,000 lbs. (400–20,000 kg)	3⁄8–1⅛ in. (9–28 mm)	400 lbs. (200 kg)	50 lbs. (25 kg)	11.5 lbs. (5.2 kg)

dynarope HF 37
small capacity tensiometer

The Dynarope HF 37 digital is designed for rope tension measurement, with fast and easy installation directly on the rope (steel, textile).

TECHNICAL SPECIFICATIONS
- Accuracy: <1% of nominal capacity
- Capacity range from 200 to 6,000 lbs. (100 to 3,000 kg)
- Range of wire rope sizes from 3⁄16 to 11⁄16 in. (5 to 18 mm)
- Operating temperature from -4 to 140°F (-20 to 60°C)
- Power supply: three 1.5 V "AA" batteries, up to 125 hours
- Displays mass or force
- Protection: IP 65 (NEMA 4)

MODEL	WORKING LOAD LIMIT	WIRE ROPE Ø	MINIMUM DISPLAY	INCREMENT	WEIGHT
HF 37/1/LPT	200–3,000 lbs. (100–1,500 kg)	3⁄16–½ in. (5–13 mm)	110 lbs. (50 kg)	2 lbs. (1 kg)	4.9 lbs. (2.2 kg)
HF 37/2/LPT	400–6,000 lbs. (200–3,000 kg)	5⁄16–11⁄16 in. (8.4-18 mm)	110 lbs. (50 kg)	5 lbs. (2 kg)	4.9 lbs. (2.2 kg)

dynasafe® HF 31 and HF 32

universal load limiter series

Tractel® universal load limiters HF 31 and HF 32, are clamp-on models designed for overhead travelling bridge cranes and feature improved durability and reliability.

HF 31 MODEL

- Repeatability: ±1% of nominal capacity
- Capacity range from 450 to 6,400 lbs. (200 to 3,200 kg), per part of hoisting line
- Range of wire rope sizes from 3⁄16 to 5⁄8 in. (5 to 16 mm)
- Operating temperature from -22 to 176°F (-30 to 80°C)
- Operates on 220 V consuming 4 A, maximum
- Weather protection to IP 63 (NEMA 3)
- Two integrated micro switches, allowing for one or two safety thresholds (two set points)
- Easy to install, does NOT require any dismantling of any hoist load ropes
- Manufactured from aerospace quality aluminium with anodized surface treatment
- No maintenance required
- Requires no other interfaces
- Includes both NO and NC contacts
- Supplied with 6 ft. (2 m) connection lead

HF 32 A-SERIES STANDARD MODEL

- Repeatability: ±1% of nominal capacity
- Capacity range from 600 to 24,000 lbs. (300 to 12,000 kg)
- Wire rope sizes from 11⁄16 to 1 3⁄8 in. (17 to 36 mm)
- Operating temperature from -22 to 176°F (-30 to 80°C)
- Maximum switching power 220 V/5 A
- Protection: IP 55 (NEMA 4)
- Mounts directly on the dead end of the rope
- Supplied with 6 ft. (2 m) connection lead
- Does not require a monitor (includes both NO and NC contacts)
- Fast installations

HF 32 B-SERIES HIGH PRECISION MODEL

- Repeatability: ±0.5% of nominal capacity
- Capacity range from 200 to 12,000 lbs. (100 to 6,000 kg)
- Wire rope sizes from 11⁄16 to 1 in. (17 to 26 mm)
- Operating temperature from -22 to 176°F (-30 to 80°C)
- Switching power up to 12 V DC
- Protection: IP 55 (NEMA 4)
- Optional protection: IP 67 (NEMA 6)
- Adjustable damper to compensate for dynamic effects HF 85
- Output for audible siren, visual strobe and two switches (No and NC)
- Requires HF 85 mechanical monitor
- Supplied with 6 ft. (2 m) connection lead

Complies with ANSI/ASME HST-4M overload limiting device.

MODEL	WIRE ROPE Ø	SINGLE LINE CAPACITY
HF 31/1/A2	3⁄16–5⁄8 in. (5–16 mm)	400–6,400 lbs. (200–3,200 kg)
HF 32/2/A	11⁄16–1 in. (17–26 mm)	600–12,000 lbs. (300–6,000 kg)
HF 32/3/A	1 1⁄16–1 3⁄8 in. (27–36 mm)	2,000–24,000 lbs. (1,000–12,000 kg)
HF 32/1/B*	3⁄16–5⁄8 in. (5–16 mm)	400–6,400 lbs. (200–3,200 kg)
HF 32/2/B*	11⁄16–1 in. (17–26 mm)	200–12,000 lbs. (100–6,000 kg)
HF 32/3/B*	1 1⁄16–1 3⁄8 in. (27–36 mm)	2,000–24,000 lbs. (1,000–12,000 kg)

** The B type has to be used with a monitor HF 85 in order to amplify the micro switch signal. The B type with monitor HF 85 is recommended when the crane dynamics effects should be absorbed.*

dynasafe® HF 05

tension load limiting cell | in-line mechanical load cell

The dynasafe® HF 05 mechanical load cell has been designed to provide a trip point in lifting systems, which have a dead-end wire rope. The trip point load limiter generates an “all or nothing” type signal in the event that a programmable target value is exceeded. Available in one or two thresholds versions.

TECHNICAL SPECIFICATIONS

- Repeatability: ±1%
- Capacity range from 1,000 to 24,000 lbs. (500 to 12,000 kg)
- Operating temperature from -22 to 176°F (-30 to 80°C)
- Protection: IP 54 (NEMA 3)
- Includes 6 ft. (2 m) connection lead
- Switching power up to 220 VAC/4 A
- Simple adjustment procedure and easy to install
- Mounts directly to wedge socket at dead end

MODEL	CAPACITY	MODEL A WITH 1-TRIP POINT	MODEL A WITH 2-TRIP POINT	MODEL B WITH 1-TRIP POINT AND HF 85 MONITOR	WEIGHT
HF 05/1	1,000 lbs. (500 kg)	■	■	■	0.5 lbs. (0.23 kg)
HF 05/2	2,500 lbs. (1,250 kg)	■	■	■	0.5 lbs. (0.23 kg)
HF 05/3	4,000 lbs. (2,000 kg)	■	■	■	1 lbs. (0.45 kg)
HF 05/4	6,400 lbs. (3,200 kg)	■		■	2 lbs. (0.9 kg)
HF 05/5	10,000 lbs. (5,000 kg)			■	1.5 lbs. (0.7 kg)
HF 05/6	16,000 lbs. (8,000 kg)			■	1.5 lbs. (0.7 kg)
HF 05/7	24,000 lbs. (12,000 kg)			■	1.5 lbs. (0.7 kg)

dynasafe® HF 35

electronic load limiter

The dynasafe® HF 35 is a electronic load cell that is designed for measuring the effort applied in lifting systems that have a dean end wire rope. This load cell is recommend for it's simplicity and quick fitting capability.

TECHNICAL SPECIFICATIONS

- Accuracy: ±3% of nominal charge
- Maximum load capacities from 40 to 40,000 lbs. (20 to 20,000 kg)
- Operating temperature from -22 to 176°F (-30 to 80°C)
- Mounts directly on the dead end of the wire rope
- Fast installation
- Monitor required (HF 80)

CABLE Ø	CAPACITY	OUTPUT SIGNAL			
		MV/V	FREQUENCY	0–10 V	4–20 MA
3⁄16–1¾ in. (5–45 mm)	40–40,000 lbs. (20–20,000 kg)	■	■	■	■

dynasafe® HF 10

electronic load limiting cell

The dynasafe® HF 10 has been designed for measuring effort applied in lifting systems, which have a dead end wire rope. It is recommended for installations where a high degree of accuracy is required. Another advantage is it's small size there as very little headroom is lost. To be used in connection with HF 80 monitors or HF 87 displays.

Size the HF 10 by simply matching the capacity. To do so, choose a model with a capacity higher than the crane capacity divided by the number of falls.

TECHNICAL SPECIFICATIONS

- Accuracy: ±0.3% of nomimal charge
- Maximum load capacities from 40 to 40,000 lbs. (20 to 20,000 kg)
- Operating temperature from -22 to 176°F (-30 to 80°C)
- Protection: IP 65 (NEMA 4)
- Mounts directly to the wedge socket at the dead end
- Easy wire rope replacement (no recalibration necessary)
- Suitable for weight display
- Monitor required (HF 80) and/or display AL63

CABLE Ø	CAPACITY	OUTPUT SIGNAL			
		MV/V	FREQUENCY	0–10 V	4–20 MA
–	40–40,000 lbs. (20–20,000 kg)	■	■	■	■

NOTE: Scale accuracy is dependent upon the number of falls present.

dynasafe® HF 50

dynometric axle

Load pin based on the strain gauges technology and used in particular to limit and display loads. To be used in connection with HF 80 monitors or HF 87 displays. The load pin will be designed according to the customer's specifications.

Since the HF 50 axles are made on a custom basis, each one is quoted individually from the factory.

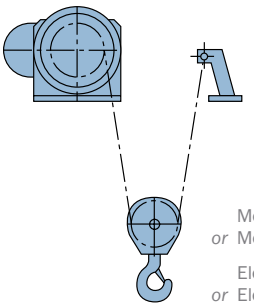
TECHNICAL SPECIFICATIONS

- Accuracy: ±0.5%
- Operating temperature from -4 to 176°F (-20 to 80°C)
- Protection: IP 65 (NEMA 4)
- Custom-made to replace the pin of either the upper block (most accurate) or idle sheave (least expensive)
- Ideal for accurate weight display
- No headroom loss
- The only solution available when there is no dead end
- Monitor required (HF 80) and/or display AL63

CABLE Ø	CAPACITY	OUTPUT SIGNAL			
		MV/V	FREQUENCY	0–10 V	4–20 MA
¾–11 13/16 in. (19–300 mm)	Custom made by project	■	■	■	■

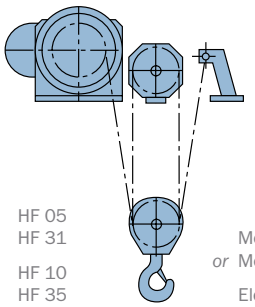
dynasafe® solutions

load cells for typical sheaving systems of overhead cranes



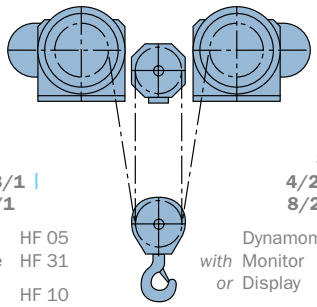
Sheaving 2/1

	Mechanical, in-line	HF 05
or	Mechanical, on-line	HF 31
	Electronic, in-line	HF 10
or	Electronic, on-line	HF 35
with	Monitor	HF 80
or	Display	AL63



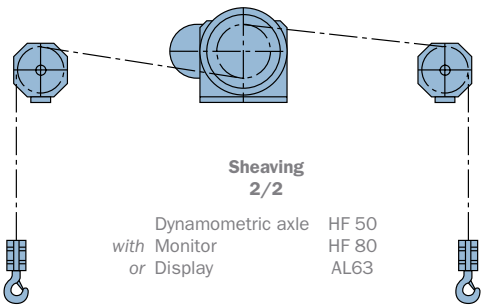
Sheaving 4/1 | 6/1 | 8/1 | 10/1 | 12/1

	Mechanical, in-line	HF 05
or	Mechanical, on-line	HF 31
	Electronic, in-line	HF 10
or	Electronic, on-line	HF 35
or	Dynametric axle	HF 50
with	Monitor	HF 80
or	Display	AL63



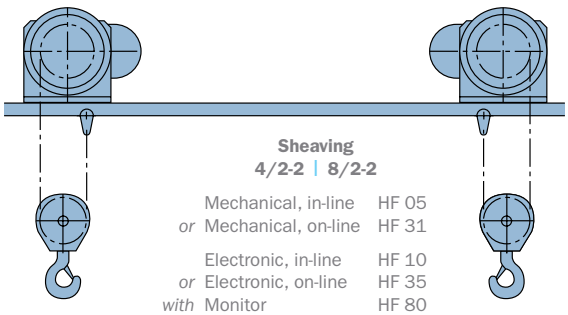
Sheaving 4/2-2 | 6/2-2 | 8/2-2 | 10/2-2

	Dynametric axle	HF 50
with	Monitor	HF 80
or	Display	AL63



Sheaving 2/2

	Dynametric axle	HF 50
with	Monitor	HF 80
or	Display	AL63



Sheaving 4/2-2 | 8/2-2

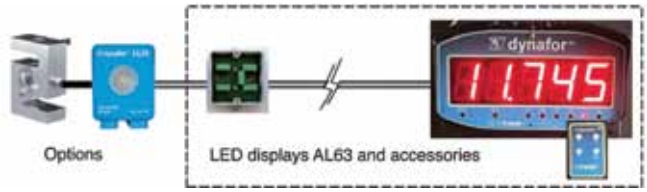
	Mechanical, in-line	HF 05
or	Mechanical, on-line	HF 31
	Electronic, in-line	HF 10
or	Electronic, on-line	HF 35
with	Monitor	HF 80
or	Display	AL63

dynafor® and dynasafe®

monitors, displays and connectors

DYNASAFE® AL63 KIT DISPLAY

- From 1 to 4 sensors with automatic sum function.
  - Tare, peak hold, unit selection with TLC remote control
  - Adjustable dynamic effects filter
  - Network communication through BUS RS 485 cable
- Kit includes:
  - dynasafe® AL63 display
  - TLC 2.4 GHz remote control
  - Connection box
  - Four silent blocks
  - Two extra strain reliefs
- Available accessories:
  - dynafor® LLXt RS 485 signal conditionner
  - dynafor® connection box
  - dynafor® BUS RS 485 cable
  - Power supply 12 Vcc for dynasafe® AL63
  - Power supply 5 Vcc for dynafor® LLXt RS
  - dynafor® adjustment software
  - TLC 2.4 GHz remote control



DYNAFOR® LLXt SIGNAL CONDITIONER

Converts existing cell to a RS 485 output cell.

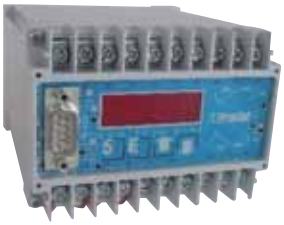
- Available accessories:
  - dynafor® LLXt wireless module
  - dynafor® LLXt RS 485 module
  - Adjustment sofware

DYNASAFE® HF 80 MONITOR

Used for frequency output cells

HF 80/1

- Standard monitor with adjustable trip point
- Three levels of adjustable thresholds
- Two relays outputs: 220 V AC 10 A
- Dynamic effect filtering



DYNASAFE® HF 84 FREQUENCY CONVERTER

HF 84/1

- Converts existing cell to a frequency output cell
- Adjustable gain and zero
- For 1 load cell

MECHANICAL LOAD LIMITING ACCESSORIES

HF 90/1

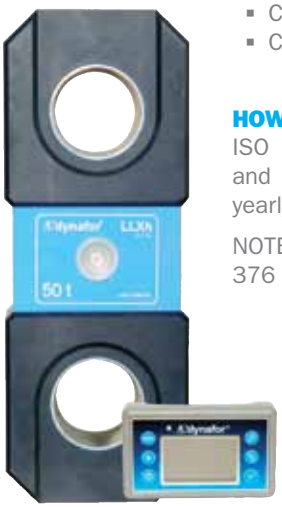
- Electronic alarm

HF 90/2

- Flashing light

tractel® services

Tractel® at your service, we offer dynafor® calibration services and have a full service department for repairs and maintenance of all the equipment we sell.



LOAD CELL CALIBRATION Z REPAIRS!

At Tractel® our dynafor® lab will calibrate your full range of product.

- Quick turn around
- Calibration certificate provided
- Capacity up to 250 t

HOW IMPORTANT IS CALIBRATION?

ISO certified companies need to calibrate tools and instrument yearly. Tractel® recommends this yearly calibration to avoid lapse in use.

NOTE: Our testing equipment is traceable to ISO 376 Standards.

SERVICE AND REPAIRS

Factory trained technicians for all your service and epair requirements, keeps your equipment running right, resulting in many benefits:

- **Lengthens equipment life** – properly maintained equipment simply lasts longer.
- **Enhanced operator efficiency** – ensures that the equipment operates at peak performance levels.
- **Prevents costly downtime** – anticipating and preventing future problems before they occur helps avoid downtime.
- **Check for proper operation** – Ensure machine and its components are operating correctly.

PARTS

- Large inventory of parts for quick delivery.
- Reliable factory authorized replacement parts to maintain your equipment to factory standards.

TEMPORARY ACCESS

tirak®

L-series man-riding hoists

The tirak® L-series hoists have a compact and lightweight design, meeting highest requirements on usable workload and space restrictions. Small and light, but still powerful, they can be used for loads up to 1,000 lbs. The L-series hoists use a single-disk driver system and spring-loaded pressure rollers for gripping the wire rope. As no wire is stored in the hoist, they have an unlimited length lift capacity.

Our tirak® hoists are also available in a pneumatic version. Ideally suited for all applications where electrical power supply is not available or possible.

blocstop® BSO overspeed device

tirak® LE501P1

FEATURES

- Power consumption reduced by 20%, hoist is less sensitive to low power supply
- Among the lightest hoists on the market, ergonomically designed for users
- The tirak® technology known for having fewer parts resulting in lower maintenance cost
- Speed of 33 fpm (10 m/min) maintaining high productivity
- Low voltage indicator light on single phase models reducing service calls
- Longer wire rope usage, more than 3,000 cycles with Tractel® recommended wire rope
- Flanged motor for easier service
- New technology
  - High strength aluminium for casings
  - High strength steel for gears
  - Special hardening for gear surfaces
  - Synthetic oil to reduce friction and provide wider temperature range of use
  - Radial bearings
  - One-roller pressure system
- Meet CSA and UL requirements

OPTION

- Hour meter for regular service maintenance

TIRAK® L-SERIES ELECTRIC HOISTS

33 FPM (10 M/MIN) WITH BSO OVERSPEED DEVICE

MODEL	DESCRIPTION	RATED LOAD	AMPERAGE	WEIGHT
LE501PA1	5/16 in. (8.4 mm) 110 V*/1 phase with BSO 500	1,000 lbs.	10.5 A	84 lbs. (38.1 kg)
LE501P1	5/16 in. (8.4 mm) 220 V/1 phase with BSO 500	1,000 lbs.	6.8 A	84 lbs. (38.1 kg)
LE500P1	5/16 in. (8.4 mm) 220 V/3 phase with BSO 500	1,000 lbs.	4.8 A	73 lbs. (33.1 kg)
LE501P2	5/16 in. (8.4 mm) 220 V/1 phase with BS/BSO 500	1,000 lbs.	6.8 A	89 lbs. (40.4 kg)
LE500P2	5/16 in. (8.4 mm) 220 V/3 phase with BS/BSO 500	1,000 lbs.	4.8 A	78 lbs. (35.4 kg)

**Note: 110 V hoist with speed of 20 fpm (6 m/min)*

AIR (DIRECT CONTROL)

UP TO 33 FPM (10 M/MIN) WITH BSO OVERSPEED DEVICE

MODEL	DESCRIPTION	RATED LOAD	WEIGHT
LA500P1	5/16 in. (8.4 mm) 85 PSI and 60 CFM with BSO 500	1,000 lbs.	65 lbs. (29.5 kg)
LA500P2	5/16 in. (8.4 mm) 85 PSI and 60 CFM with BS/BSO 500	1,000 lbs.	70 lbs. (31.8 kg)

tirak®

X and T-series man-riding hoists

THE INDUSTRY STANDARD!

The tirak® hoists of our X-series are the standard high performance lightweight models for all man-riding applications. The X-series cover a wide range of usable workload of up to 4,400 lbs and even up to 5,300 lbs for air-powered hoists (see next page). The T-series has a usable workload of up 2,000 lbs.

The X-series uses a single-disk driver system and spring-loaded pressure rollers for gripping the wire rope on the pulley. The T-series uses a dual-disk driver system which permits to pull in both directions, with full capacity.

Our tirak® hoists are also available in a pneumatic version. Ideally suited for all applications where electrical power supply is not available or possible.

FEATURES

- Extremely durable
- 700 to 4,400 lbs. lifting range
- Easily maintained
- Superior reliability
- 110 to 480 voltage range
- Pneumatic and electric hoist available
- Built-in safety features
- Special applications available
- Meet CSA and UL requirements

OPTIONS

- Wireless remote
- Pendant control

TIRAK® ELECTRIC HOISTS

TYPE		XE301P	XE501PA	XE701P[1]	LE501P	LE500P	LE501P	TE1020P	XE1020P[2]	XE2050P[3]
Rated load		700 lbs.	1,000 lbs.	1,500 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	2,000 lbs.	2,200 lbs.	4,400 lbs.
Lifting speed		33 fpm (10 m/min)	35 fpm (11 m/min)	35 fpm (11 m/min)	35 fpm (11 m/min)	35 fpm (11 m/min)	35 fpm (11 m/min)	35 fpm (11 m/min)	32 fpm (9.8 m/min)	23 fpm (7 m/min)
Weight*		82 lbs. (37.2 kg)	109 lbs. (49.5 kg)	126 lbs. (57.2 kg)	84 lbs. (38.1 kg)	73 lbs. (33.1 kg)	84 lbs. (38.1 kg)	174 lbs. (78.9 kg)	123 lbs. (55.8 kg)	185 lbs. (83.9 kg)
Type		0.55 kW	1.1 kW	1.5 kW	0.55 kW	1.0 kW	1.0 kW	2.2 kW	2.4 kW	3.1 kW
Voltage		110 V (220 V)	220 V	220 V	110 V	220 V	220 V	200 V	220 V	220 V
Amperage		10.5 A (5.2 A)	9.5 A	12 A	10.5 A	4.8 A	6.8 A	9.4 A	10 A	16 A
Phase (3 phase)		Single (Three)	Single	Single	Single	Three	Single	Three	Three	Three
MAXIFLEX WIRE ROPE	Diameter	5/16 in. (8.4 mm)	5/16 in. (8.4 mm)	5/16 in. (8.4 mm)	5/16 in. (8.4 mm)	5/16 in. (8.4 mm)	5/16 in. (8.4 mm)	3/8 in. (9.5 mm)	3/8 in. (9.5 mm)	9/16 in. (14 mm)
	Min. breaking stength	10,000 lbs. (4,500 kg)	10,000 lbs. (4,500 kg)	10,000 lbs. (4,500 kg)	10,000 lbs. (4,500 kg)	10,000 lbs. (4,500 kg)	10,000 lbs. (4,500 kg)	15,000 lbs. (6,800 kg)	15,000 lbs. (6,800 kg)	35,000 lbs. (15,800 kg)
	Construction	5x19, 4x26, 5x26, 6x19 with fiber core, performed, galvanized			5x19 or 5x26	5x19 or 5x26	5x19 or 5x26	5x19, 4x26, 5x26, 6x19 IWRC galvanized		5x26 or 6x26

**Includes BSO secondary brake*

[1] The tirak® XE701P must be adapted for use in Canada (ref. XE721P or XE720P) for a 3/8 in. (9.5 mm) wire rope.

[2] The tirak® XE1020P must be adapted for use in Canada (ref. XE1030P) for a 10 mm wire rope and will have a rated load of 1,800 lbs. (815 kg).

[3] The tirak® XE2050 used in Canada has a rated load of 3,500 lbs. (1,590 kg)

Air and electric hoist have direct control, remote control available on requests for all hoist.

Please enquire for more information.

tirak®

air hoist for special applications

In some applications using compressed air is the best way to drive a tirak®. Wherever the installation does not allow the use of electrical power or where compressed air is easily available, the air-powered Tirak hoists are the best solution.

The working principle of the tirak® remains the same. Instead of a power cable, a compressor via an air hose is connected to the tirak® supplying the air at an appropriate pressure and volume. It is an easy and safe option.

Both versions of our tirak® hoists, electrically powered and air powered, are manufactured according to the same highest quality standards and are certified for man riding applications.

FEATURES

- Extremely durable
- 700 to 5,300 lbs. lifting range
- Easily maintained
- Superior reliability
- Built-in safety features
- Meet CSA and UL requirements

Integral FRL
(Filter, regulator and lubricator)
Air preparation unit sold separately

TIRAK® AIR HOISTS

TYPE		XA300P	XA500P	XA700P1	LA500P	TA1020P2	XA1020P2	XA2050P3	XA2650P
Rated load		700 lbs.	1,000 lbs.	1,500 lbs.	1,000 lbs.	2,000 lbs.	2,200 lbs.	4,400 lbs.	5,300 lbs.
Lifting speed		0–30 fpm (0–9 m/min)	0–30 fpm (0–9 m/min)	0–30 fpm (0–9 m/min)	0–20 fpm (0–6 m/min)	0–30 fpm (0–9 m/min)	0–23 fpm (0–7 m/min)	13 fpm (4 m/min)	13 fpm (4 m/min)
Consumption		30 cfm	53 cfm	53 cfm	60 cfm	100 cfm	100 cfm	160 cfm	160 cfm
Working pressure		85 psi	85 psi	85 psi	85 psi	85 psi	85 psi	85 psi	85 psi
MAXIFLEX WIRE ROPE	Diameter	5/16 in. (8.4 mm)	5/16 in. (8.4 mm)	5/16 in. (8.4 mm)	5/16 in. (8.4 mm)	3/8 in. (9.5 mm)	3/8 in. (9.5 mm)	9/16 in. (14 mm)	9/16 in. (14 mm)
	Min. breaking stength	10,000 lbs. (4,500 kg)	10,000 lbs. (4,500 kg)	10,000 lbs. (4,500 kg)	10,000 lbs. (4,500 kg)	15,000 lbs. (6,800 kg)	15,000 lbs. (6,800 kg)	35,000 lbs. (15,800 kg)	35,000 lbs. (15,800 kg)
	Construction	5x19, 4x26, 5x26, 6x19 with fiber core, performed, galvanized			5x19 or 5x26	5x19, 5x26, 4x26, 6x19 IWRC galvanized		5x26, 6x26	

[1] The Tirak XA700P must be adapted for use in Canada (ref. XA720P) for a 3/8 in. (9.5 mm) wire rope.
[2] The Tirak TA1020P and XA1020P must be adapted for use in Canada (ref. TA1030P and XA1030P) for a 10 mm wire rope and will have a rated load of 1,800 lbs. (815 kg).
[3] The Tirak XA2050 used in Canada has a rated load of 3,500 lbs. (1,590 kg)
Air and electric hoist have direct control, remote control available on requests for all hoist.
Please enquire for more information.

tirak®

radio remote hoist with driven reeler

Give the operator control of position and movement. No hand signals, no communication failure that can be hazardous to the worker.

MODEL XE301P

- Rated load 700 lbs. single parted
- Constant speed of 33 fpm (10 m/min)
- Power 110 V, 12 A, 0.55 kw
- FCC radio control 458 MHz
- Operating temperature -31°F to 104°F (-35°C to 40°C)
- Strength factor > 4 to 1 on hoist
- Reeler capacity 320 pi x 5⁄16 po (100 m x 8.4 mm)
- Emergency stop button
- LED power on indicator light on radio remote
- Meet CSA and UL requirements

3 BRAKES

- Secondary brake protects against wire rop run-off
- Controlled descent brake for emergency lowering without power
- Primary electromagnetic brake

Hoist is suitable for a variety of applications, including use of pendent control. Ask for details about your application.

XE301P radio remote tirak® hoist

tirak®

passive wire rope reeler

Designed for applications where wire rope needs to be maintained during operation.

The passive reeler mounting kit is available for collecting wire rope. Available in 131, 162 and 196 ft. (40, 50 and 60 m) based on 5⁄16 in. (8.4 mm) rope size. The self-feed realer is designed for tirak® powered hoists through which the wire rope passes (X-300, X-500, X-700 and T-1000 series). The use of a with its fitted wire rope reeler, offers a compact and practical solution for jobs needing wire ropes in a confined space.

APPLICATIONS

- Various lifting jobs on building sites,
- Pulling goods wagons or other transport equipment
- Material handling in theatres, TV or cinema studios
- Jobs on masts and antennas, etc.

PASSIVE REELERS WITH 5⁄16 IN. (8.4 MM) WIRE ROPE	
8288	131 ft. (40 m) drum
5048	162 ft. (50 m) drum
12958	196 ft. (60 m) drum

tirak® hoist with passive reeler on a platform

blocstop®
secondary brake

The blocstop® is a fall-arrest secondary safety device which is fitted to the wire rope of a tirfor® or tirak® hoist. The blocstop® is also designed to hold or restrain any loads during lifting and pulling applications.

THE BLOCSTOP® MAY BE USED...

- ...mounted on a secondary wire rope, the blocstop® holds the load safely should there be any defect in the primary suspension wire rope or failure of the lifting device
- ...mounted on a suspended or tensioned wire rope, the blocstop® protects the load against failure of the primary lifting/tensioning device
- ...mounted on warehouse overhead doors, to securely hold the door open and will also prevent the door from closing too fast when overspeed conditions are detected

blocstop® BSO

AUTOMATIC BLOCSTOP® BSO

When in overspeed, the blocstop® automaticaly engages and locks on wire rope. The BSO model can be mounted either on the main suspension wire rope or on a separate safety wire rope.

SINGLE OR DOUBLE ROPE SUSPENSION AUTOMATIC WITH OVERSPEED BRAKING SYSTEM			
	BSO 500 or BS/BSO 500*	BSO 1020 or BS/BSO 1020*	BSO 2050
Capacity	1,500 lbs. (680 kg)	3,200 lbs. (1,450 kg)	4,400 lbs. (2,000 kg)
Rope	5/16 in. (8.4 mm)	3/8 in. (9.5 mm)	9/16 in. (14 mm)
Weight	10.4 lbs. (4.7 kg)	13.2 lbs. (6 kg)	30.8 lbs. (14 kg)

**For double wire rope systems electrical cut-offs are available.*
Rated loads shown for material handling only.

blocstop® BS/BSO

maxiflex
wire ropes

Wire rope is an integral component of every hoist and winch supplied by Tractel® (except our chain hoists, of course). Selecting the correct wire rope and following a routine maintenance and inspection program will ensure that your hoists operate efficiently for many years. Using Maxiflex wire rope in all of our manual and powered hoists will ensure the highest level of performance for your equipment. Maxiflex wire rope is specifically developed and constructed for use in Tractel® products. Proper selection will ensure the maximum possible wire rope service life. If there are ever any questions contact our Engineering Department for assistance, (this is a requirement in situations where the load can spin freely or when reelers are used).

WIRE ROPE SELECTION GUIDE

PRODUCT LINE SERIES	WIRE ROPE DIAMETER	APPROVED WIRE ROPE CONSTRUCTION
scafor® 408C	5/16 in. (8.4 mm)	5x19* and 6x19
tirak® X300/X500/X700[1] and T1000[1]	5/16 in. (8.4 mm)	4x26, 5x19*, 5x26 and 6x17[2]
tirak® L500	5/16 in. (8.4 mm)	5x19* and 5x26
tirak® X1020[1] and T1020[1]	3/8 in. (9.5 mm)	5x19* and 5x26
tirak® X1030	10.2 mm	5x26
tirak® X2050	9/16 in. (14.3 mm)	5x26

**Best selection for most situations*
[1] Call engineering for applications with reelers or when load is able to spin. [2] 6x17 is classified as a 6x19 which may have 15-26 wires per strand.

tirfor® and scafor®
manual hoists

As an economical alternative to motorized hoists, we offer the UL classified tirfor® and scafor® manual hoists.

Our tirfor® is the original wire rope hoist, designed to raise and lower your platform with a simple-to-use telescopic handle. The TU-Series tirfor® is UL classified for use as a scaffold hoist. And every model uses high quality galvanized wire rope that resists kinks and bird cages that could foul the internal mechanism.

The manual scafor® hoist, which was developed to give maximum security and ease of use at the same time, fits our one man platforms, work seats and other platforms, as it can easily be fitted to any stirrup.

scarfor® 408

Man-rated TU-series tirfor® hoists

MODEL	TU17	TU28	TU32	SCAFOR® 408
Rope travel/stroke lifting	2 in. (50 mm)	2.2 in. (56 mm)	1.2 in. (30 mm)	3 in. (76 mm)
Man-riding capacity	1,500 lbs.	3,000 lbs.	6,000 lbs.	880 lbs.
Unit weight	18.5 lbs. (8.4 kg)	41 lbs. (18.6 kg)	59.5 lbs. (27 kg)	23 lbs. (11 kg)
Wire rope weight	8 lbs./30 ft. (3.6 kg/9 m)	28.9 lbs./60 ft. (13 kg/18 m)	8 lbs./30 ft. (3.5 kg/9 m)	–
Machine dimensions	20¾ x 9¾ x 4½ in. (825x284x113 mm)	26 x 13 x 5¾ in. (660x360x145 mm)	27 x 13 x 6⅛ in. (685x365x156 mm)	–
Handle (closed/ext.)	18/28 in. (450/730 mm)	26/45 in. (648/1,147 mm)	26/45 in. (648/1,147 mm)	–
Wire rope dia.	5/16 in. (8.4 mm)	7/16 in. (11.5 mm)	5/8 in. (16.3 mm)	5/16 in. (8.4 mm)
Min. wire rope breaking strength	10,000 lbs. (4,500 kg)	20,000 lbs. (9,000 kg)	40,000 lbs. (18,000 kg)	10,000 lbs. (4,500 kg)

Capacities shown for man-riding only—For material handling capacities see page 10.

skysafe®
workcages

Quick and efficient, our simple and light temporary working platforms.

We have a range of simple temporary access platforms designed for building inspection, cleaning, repairs, when the work is at heights and has to be done quickly.

Workcage stirrup with 3'3" (1 m) skysafe® platform (6'6" [2 m] also available)

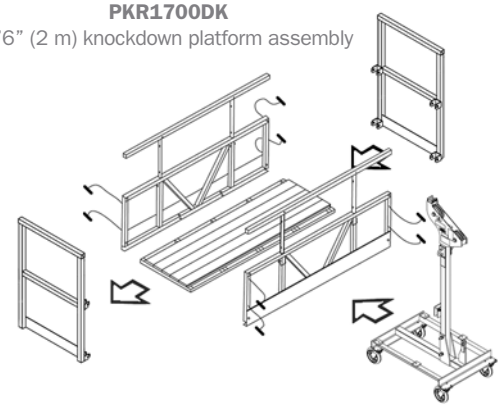
SKYSAFE® WORKCAGE PLATFORM REQUIREMENTS

PART NUMBER	DESCRIPTION	3'3" (1 M) WORKCAGE	6'6" (2 M) WORKCAGE
STEP 1: Choose one of the following			
PMR1600D	3'3" (1 m) skysafe® rigid platform section with four H-brackets	1	
or			
PMR1700D	6'6" (2 m) skysafe® rigid platform section with four H-brackets		1
or			
PKR1700DK	6'6" (2 m) skysafe® knockdown platform assembly with deck and two side rails		1
STEP 2: Add the other components			
PMR0720D	skysafe® intermediate C-stirrup (wide base)	1	1
PMR0030B	skysafe® end frame	2	2
	Capacity	500 lbs. (225 kg)	500 lbs. (225 kg)

PMR1700DK
6'6" (2 m) rigid platform assembly

OR

PKR1700DK
6'6" (2 m) knockdown platform assembly



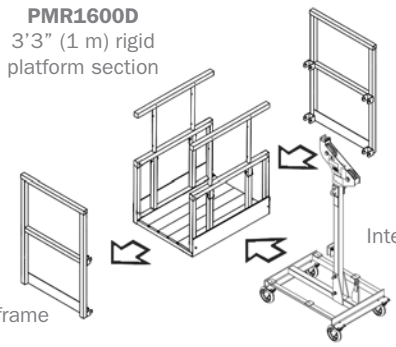
OR

PMR1600D
3'3" (1 m) rigid platform section

PMR0030B
End frame

PMR0720D
Intermediate C-stirrup

End frame



skysafe®
windbasket

SKYSAFE® WINDBASKET REQUIREMENTS

PART NUMBER	DESCRIPTION	QUANTITY
STEP 1: Choose one of the following		
PMR1700D	6'6" (2 m) skysafe® rigid platform section with four H-brackets	1
or		
PKR1700DK	6'6" (2 m) skysafe® knockdown platform assembly with deck and two side rails	1
STEP 2: Add the other components		
PMR0720D	skysafe® workcage stirrup	1
PMR0070	Aluminium end frame with two cleats and casters	2
PMR0080	Top set of bumper rollers	1
PMR0090	Middle set of bumper rollers	1
PMR0049	Lower set of bumper rollers	1
	Capacity	500 lbs. (225 kg)

bosun's chair

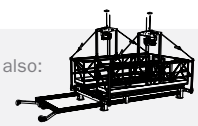
The Bosun's chair is perfect for working on building facades up to 300 ft. (90 m), for inspection, maintenance or simple cleaning tasks.

Light and compact, its operational stability is enhanced by its guiding wheels. Requires minimum training.

124-010

- Single wire rope
- Padded seat for added comfort
- 350 lbs. (158 kg) capacity
- Two pail holders
- 2 x 6 in. (50 x 150 mm) diameter hard tires
- Compatible with tirak® traction hoists

See also:



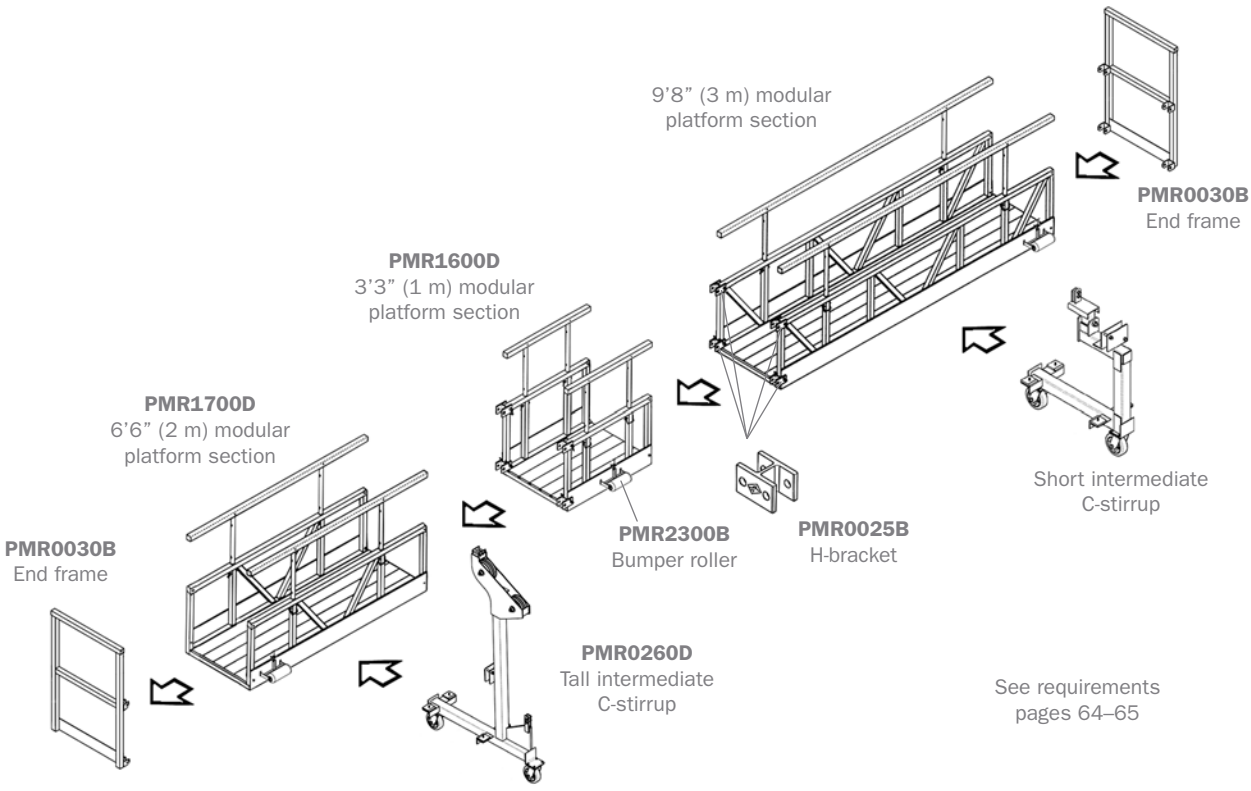
blade maintenance platform p. 78

skysafe®
rigid modular platform

skysafe® rigid modular and knockdown suspended scaffolding provides a stable, secure platform for any work being done on high-rise buildings, tall structures and bridges. These sturdy, yet lightweight platforms are great for window cleaning, brick and masonry restoration, painting, maintenance, inspection and many other types of jobs.

SKYSAFE® RIGID MODULAR PLATFORMS

- No assembly required—come ready to use
- No loose parts
- Save on assemble time
- Fully compatible with skysafe® knockdown platforms (when used with U-frame)



See requirements pages 64–65

*UL classified applies to 6'6" and 9'8" (2 and 3 m) platforms only.

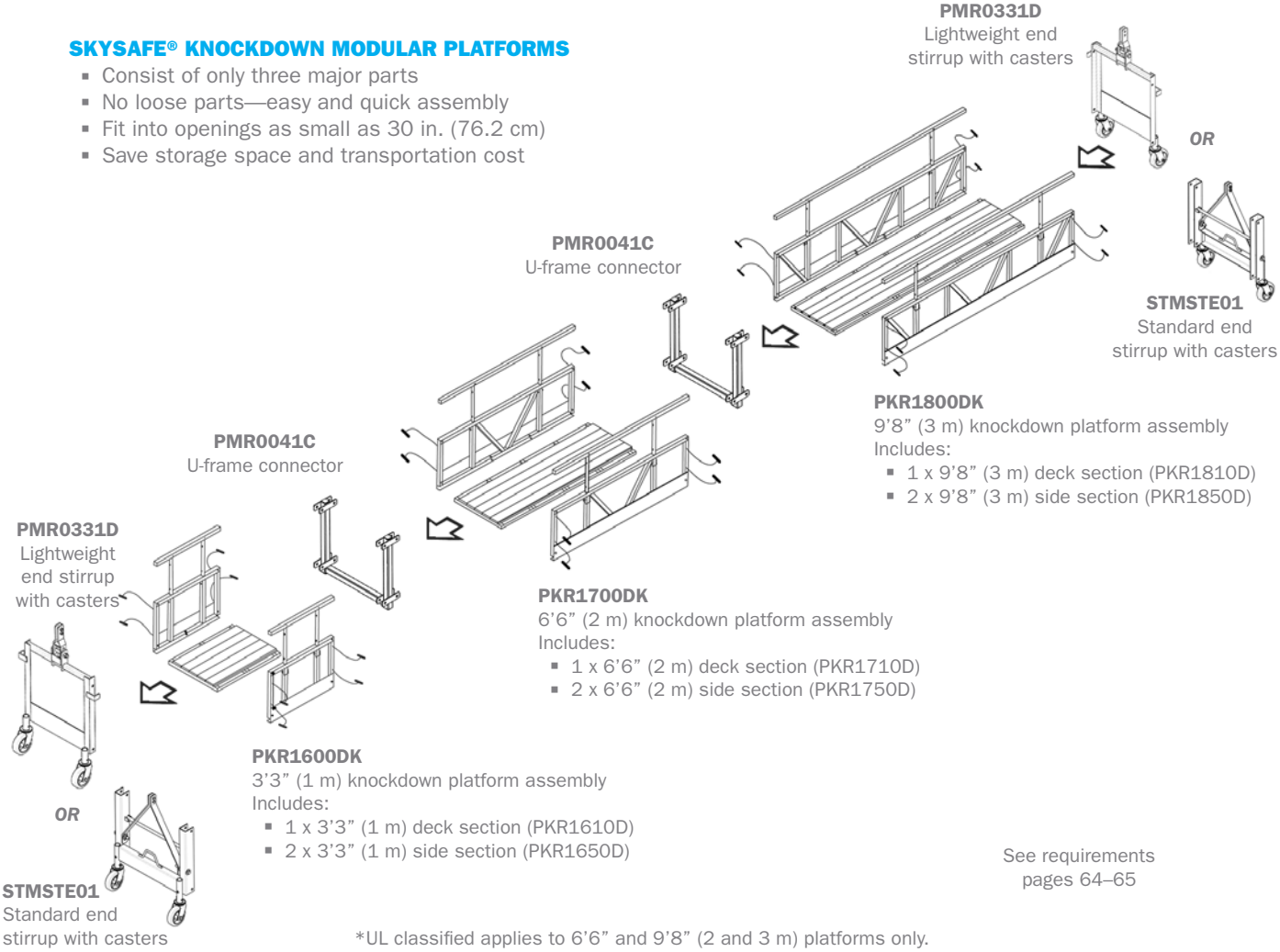
skysafe®

knockdown modular platform

- Multiple configurations from 6 ft.-6 in. to 59 ft. (2 to 18 m)
- Built from extruded aluminium
- Galvanized steel end stirrups or intermediate stirrups
- Platforms meet CSA/OSHA
- UL classified for load capacities up to 1,500 lbs.* (680 kg)
- Lighter weight than other platforms on the market
- Adjustable height guardrails (front and rear reach either 36 or 42 in. (91 or 106 cm) to meet all safety code regulations)
- Stirrups fit tirak®, griphoist®, scafor® and most other hoists available

SKYSAFE® KNOCKDOWN MODULAR PLATFORMS

- Consist of only three major parts
- No loose parts—easy and quick assembly
- Fit into openings as small as 30 in. (76.2 cm)
- Save storage space and transportation cost



See requirements pages 64–65

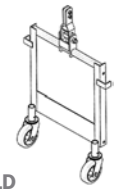
*UL classified applies to 6’6” and 9’8” (2 and 3 m) platforms only.

skysafe®
modular platform configurations

END STIRRUPS

Lightweight, easy-to-install and comes with large casters for easy mobility on the job site.

Constructed of steel, the end stirrups are designed for fast and easy set-up. Two types of end stirrups are available, both galvanized treated for long life in harsh environments.



PMR0331D
Lightweight end stirrup with casters

STMSTE01
Standard end stirrup with casters

END STIRRUP CONFIGURATION PLATFORM REQUIREMENTS

STEP 1: Decide on a platform length

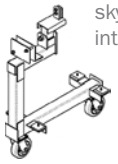
PART NUMBER	DESCRIPTION	6'6" (2 M)	9'9" (3 M)	13' (4 M)	16'6" (5 M)	20' (6 M)	23' (7 M)	26' (8 M)	29'6" (9 M)	33' (10 M)	36' (11 M)	39'6" (12 M)	42'6" (13 M)	46' (14 M)	49' (15 M)
STEP 2: Choose either a rigid platform or a knockdown platform model															
Rigid platform models															
PMR1800D	9'10" (3 m) skysafe® platform section with four H-brackets		1	1	1	2	2	2	3	2	3	4	3	4	5
PMR1700D	6'6" (2 m) skysafe® platform section with four H-brackets	1			1			1		2	1		2	1	
PMR1600D	3'3" (1 m) skysafe® platform section with four H-brackets			1			1								
PMR1500D	1'8" (0.5 m) skysafe® platform section with four H-brackets														
or															
Knockdown platform models															
PKR1800DK	9'10" (3 m) skysafe® platform section assembly with deck and two side rails		1	1	1	2	2	2	3	2	3	4	3	4	5
PKR1700DK	6'6" (2 m) skysafe® platform section assembly with deck and two side rails	1			1			1		2	1		2	1	
PKR1600DK	3'3" (1 m) skysafe® platform section assembly with deck and two side rails			1			1								
PKR0040C	skysafe® U-frame connector *(one required between each knockdown stage assembly)*			1	1	1	2	2	2	3	3	3	4	4	4
STEP 3: Choose an intermediate stirrup type															
STMSTE01	Standard skysafe® end stirrup with casters	2	2	2	2	2	2	2	2	2	2	2	2	2	2
or															
PMR0331D	Lightweight skysafe® end stirrup with casters	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Number of components for a rigid modular platform	3	3	4	4	4	5	5	5	6	6	6	7	7	7
	Number of components for a knockdown modular platform	5	5	9	9	9	13	13	13	17	17	17	21	21	21
	Capacity of the platform	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● 750 lbs. (340 kg) ● 1,000 lbs. (450 kg) ● 1,250 lbs. (560 kg) ● 1,500 lbs. (680 kg)

skysafe®
modular platform configurations

INTERMEDIATE STIRRUPS

Use intermediate stirrups, also known as walk-through stirrups, and extend your platform up to 6'6" (2 m) past the suspension point for access to hard-to-reach corners. Intermediate stirrups allow for longer platform lengths up to 59 ft. (18 m). Constructed of steel and designed for maximum strength. Large neoprene casters provide easy mobility on job sites. Both stirrups are galvanized treated for long life in the harshest environments.



PMR0400D
skysafe® short intermediate C-stirrup

PMR0260D
skysafe® tall intermediate C-stirrup

INTERMEDIATE STIRRUP CONFIGURATION PLATFORM REQUIREMENTS

STEP 1: Decide on a platform length

PART NUMBER	DESCRIPTION	20' (6 M)	23' (7 M)	26' (8 M)	29'6" (9 M)	33' (10 M)	36' (11 M)	39'6" (12 M)	42'6" (13 M)	46' (14 M)	49' (15 M)	52'6" (16 M)	56' (17 M)	59' (18 M)
STEP 2: Choose either a rigid platform or a knockdown platform model														
Rigid platform models														
PMR1800D	9'10" (3 m) skysafe® platform section with four H-brackets	2	2	2	3	2	3	4	3	4	5	4	5	6
PMR1700D	6'6" (2 m) skysafe® platform section with four H-brackets			1		2	1		2	1		2	1	
PMR1600D	3'3" (1 m) skysafe® platform section with four H-brackets		1											
PMR1500D	1'8" (0.5 m) skysafe® platform section with four H-brackets													
or														
Knockdown platform models														
PKR1800DK	9'10" (3 m) skysafe® platform section assembly with deck and two side rails	2	2	2	3	2	3	4	3	4	5	4	5	6
PKR1700DK	6'6" (2 m) skysafe® platform section assembly with deck and two side rails			1		2	1		2	1		2	1	
PKR1600DK	3'3" (1 m) skysafe® platform section assembly with deck and two side rails		1											
PKR0040C	skysafe® U-frame connector *(one required between each knockdown stage assembly)*	1	2	2	2	3	3	3	4	4	4	5	5	5
STEP 3: Choose an intermediate stirrup type														
PMR0260D	Tall skysafe® intermediate C-stirrup	2	2	2	2	2	2	2	2	2	2	2	2	2
or														
PMR0400D	Short skysafe® intermediate C-stirrup	2	2	2	2	2	2	2	2	2	2	2	2	2
STEP 4: Add the end frame														
PMR0030B	skysafe® end frame	2	2	2	2	2	2	2	2	2	2	2	2	2
	Number of components for a rigid modular platform	6	7	7	7	8	8	8	9	9	9	10	10	10
	Number of components for a knockdown modular platform	7	15	15	15	19	19	19	23	23	23	27	27	27
	Capacity of the platform	●	●	●	●	●	●	●	●	●	●	●	●	●

● 750 lbs. (340 kg) ● 1,000 lbs. (450 kg) ● 1,250 lbs. (560 kg) ● 1,500 lbs. (680 kg)

skysafe®
modular platform corner sections

CORNER SECTIONS

Adding corner sections make the skysafe® platform adaptable to almost any imaginable access configuration. They are available in multiple angles to adjust to the shape of the application.

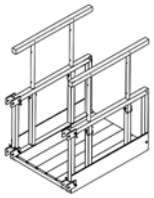
PMR0004D
skysafe® 15° corner section

PMR0005D
skysafe® 30° corner section

PMR0006D
skysafe® 45° corner section

PMR0007D
skysafe® 60° corner section

PMR0008D
skysafe® 90° corner section

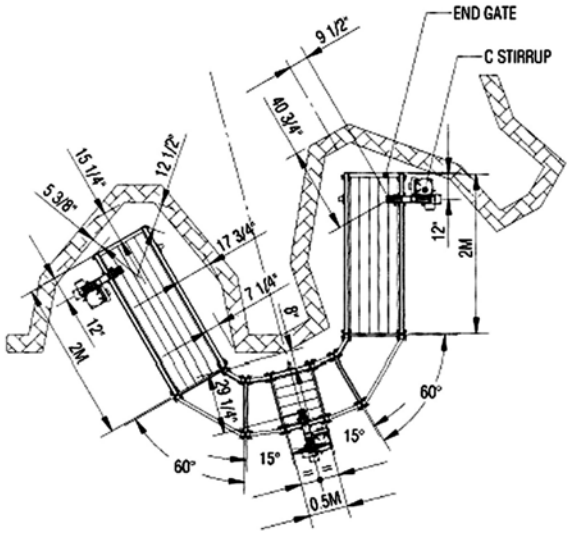


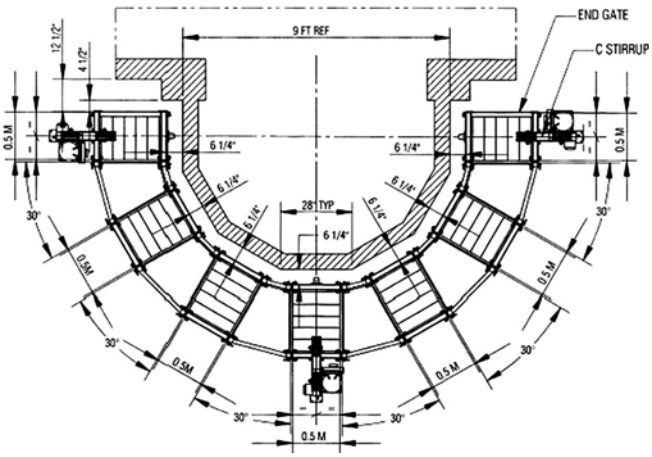
PMR1500D
1’8” (0.5 m) skysafe® modular platform section

Note: All skysafe® corner sections are supplied with four H-bracket connectors and eight gravity lock pins on lanyards. A U-frame must be ordered if connecting a corner section to a knockdown platform.

CUSTOM PLATFORM CONFIGURATIONS

Since the skysafe® platforms are completely modular with different available end or intermediate stirrups and corner sections, they can adapt to almost any temporary access situation. The skysafe® platforms can also be adapted to make a variety of standard-sized deck platforms (additional truss adaptors are required). Tractel® can provide design assistance by providing custom platform layouts to your access situations. For more details, contact your sales representative.



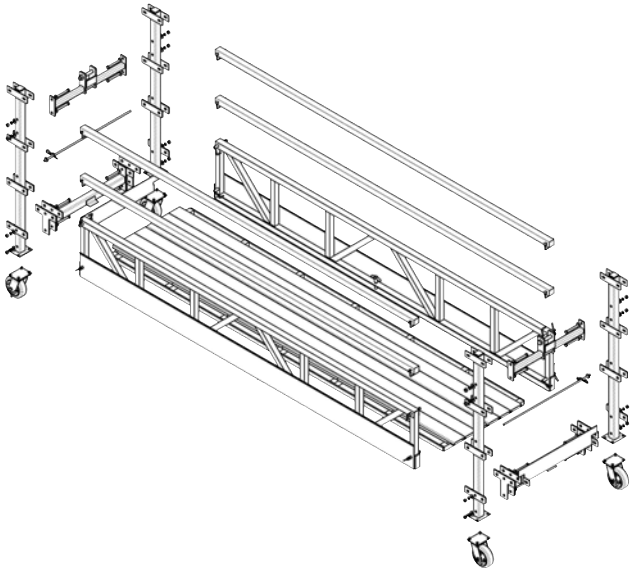


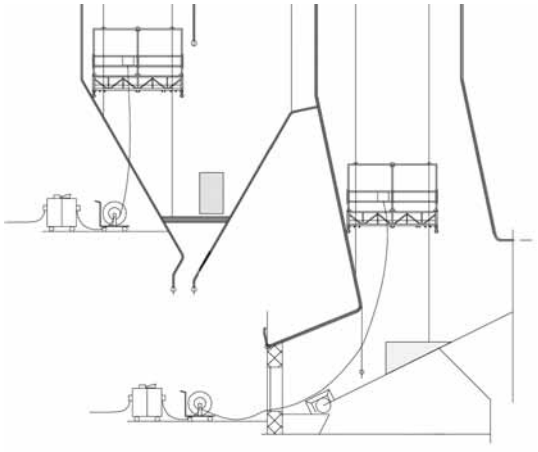
thrusafe®
boiler platform

Provides quick and easy access to your application.

FEATURES

- Completely collapsible, can fit through 16 in. (40.6 cm) diameter openings
- Available in 3.3, 6.6 or 9.8 ft. (1, 2 or 3 m) lengths
- 750 to 1,500 lbs. (340 to 680 kg) rated capacity
- Stirrups include casters
- One-piece hinged floor
- Gravity pins for quick connections
- Maximum length up to 49 ft. (14.9 m)
- Easy to set up





THRUSAFE® PLATFORM REQUIREMENTS

STEP 1: Decide on a platform length

PART NUMBER	DESCRIPTION	6'6" (2 M)	9'9" (3 M)	13' (4 M)	16'6" (5 M)	20' (6 M)	23' (7 M)	26' (8 M)	29'6" (9 M)	33' (10 M)	36' (11 M)	39'6" (12 M)	42'6" (13 M)	46' (14 M)	49' (15 M)
PFD3001D	9'10" (3 m) thrusafe® stage assembly with deck and two side rails		1	1	1	2	2	2	3	2	3	4	3	4	5
PFD2001D	6'6" (2 m) thrusafe® stage assembly with deck and two side rails	1			1			1		2	1		2	1	
PFD1001D	3'3" (1 m) thrusafe® stage assembly with deck and two side rails			1			1								
PFD0101B	thrusafe® U-frame connector with casters and hoist support			2	2	2	2	2	2	2	2	2	2	2	2
PFD0500B	thrusafe® U-connector			1	1	1	2	2	2	3	3	3	4	4	4
	Capacity of the platform	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● 750 lbs. (340 kg) ● 1,000 lbs. (450 kg) ● 1,250 lbs. (560 kg) ● 1,500 lbs. (680 kg)

skysafe®

multi-tier double-decked platform

This rigid skysafe® platform can be utilized to provide a multi-level access platform for metal claddings and other construction uses that require workers to be positioned on different levels.

Designed with full fall protection including vertical fall protection for safe movement between levels and horizontal lines on each level. skysafe® is the only multi-level platform providing such fall protection.

- Up to three working levels
- Steel stirrups and hangers
- Self-closing hatches
- Integral ladder on one end
- Horizontal lifelines
- Vertical fall protection when changing levels
- Three hanger sizes available: 9, 12 and 15 ft. (2.7, 3,66 and 4,57 m) deck to deck height
- Rated load up to 500 lbs. (227 kg) per level
- No special tools required for assembly
- Can be fitted with tirak® or most hoists with secondary wire rope device
- Telescopic guardrails for easy storage and adjustment

skysafe®

multi-tier double-decked platform configurations

MULTI-TIER DOUBLE-DECKED PLATFORM REQUIREMENTS

STEP 1: Decide on a platform length

PART NUMBER	DESCRIPTION	9'9" (3 M)*	13' (4 M)*	16'6" (5 M)*	20' (6 M)*	9'9" (3 M)**	13' (4 M)**	16'6" (5 M)**	20' (6 M)**	23' (7 M)**	26' (8 M)**	29'6" (9 M)**
STEP 2: Required sections												
MLP1060D	9'9" (3 m) skysafe® platform section with access hatch on deck	1	1	1	1	1	1	1	1	1	1	1
PMR1800D	9'9" (3 m) skysafe® platform section with four H-brackets	1	1	1	3	1	1	1	3	1	3	5
PMR0036B	9'9" (3 m) skysafe® section horizontal line safety kit	2	2	2	4	2	2	2	4	2	4	6
PMR1700D	6'6" (2 m) skysafe® platform section with four H-brackets			2				2		4	2	
PMR0035B	6'6" (2 m) skysafe® section horizontal line safety kit			2				2		4	2	
PMR1600D	3'3" (1 m) skysafe® platform section with four H-brackets		2				2					
PMR0034B	3'3" (1 m) skysafe® section horizontal line safety kit		2				2					
MLP1011D	skysafe® upper platform end stirrup	2	2	2	2	2	2	2	2	2	2	2
MLP1030D	skysafe® lower platform end stirrup with ladder rungs	2	2	2	2	2	2	2	2	2	2	2
MLP1050D	skysafe® lower platform end stirrup	2	2	2	2	2	2	2	2	2	2	2
STEP 3: Choose distance between decks												
MLP1021C	9' (2.75 m) skysafe® link with ladder rungs	1	1	1	1	1	1	1	1	1	1	1
MLP1041C	9' (2.75 m) skysafe® link	2	2	2	2	2	2	2	2	2	2	2
PMR0037B	9' (2.75 m) skysafe® link vertical safety line kit	1	1	1	1	1	1	1	1	1	1	1
or												
MLP1022D	12' (3.7 m) skysafe® link with ladder rungs	1	1	1	1	1	1	1	1	1	1	1
MLP1042C	12' (3.7 m) skysafe® link	2	2	2	2	2	2	2	2	2	2	2
PMR0038B	12' (3.7 m) skysafe® link vertical safety line kit	1	1	1	1	1	1	1	1	1	1	1
or												
MLP1023D	15' (4.6 m) skysafe® link with ladder rungs	1	1	1	1	1	1	1	1	1	1	1
MLP1043C	15' (4.6 m) skysafe® link	2	2	2	2	2	2	2	2	2	2	2
PMR0039B	15' (4.6 m) skysafe® link vertical safety line kit	1	1	1	1	1	1	1	1	1	1	1
	Capacity per deck for a two-deck platform	400 lbs. (181 kg)	365 lbs. (165 kg)	335 lbs. (151 kg)	305 lbs. (138 kg)	789 lbs. (357 kg)	740 lbs. (335 kg)	710 lbs. (322 kg)	680 lbs. (308 kg)	645 lbs. (292 kg)	615 lbs. (278 kg)	585 lbs. (265 kg)

**Minimum 1,000 lbs. (453 kg) rated hoist*
***Minimum 1,500 lbs. (680 kg) rated hoist*
For three-deck platform configurations, please contact Tractel® customer service.

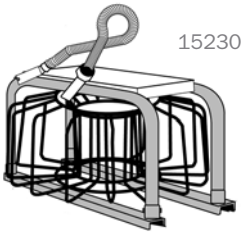
skysafe®
access accessories

WIRE ROPE STORAGE DEVICES

Protect your wire rope investment. Tractel® has a variety of wire rope storage devices to suit your requirements, from basic storage reels to self-feed and motorized reelers.

SELF-FEED WIRE REELERS – FLOOR MOUNT MAN-RIDING AND MATERIAL HANDLING		
MODEL	**DESCRIPTION**	**WEIGHT**
15230	Includes guide tube – synthetic ▪ Capacity 5/16 in. x 600 ft. (8.4 mm x 180 m) ▪ Capacity 3/8 in. x 500 ft. (9.5 mm x 150 m)	22 lbs. (10 kg)
15231	Bracket for X500	2 lbs. (0.9 kg)
06913X5K	Steel spring guide for X500	2 lbs. (0.9 kg)

N.B. This unit must be properly anchored to the surface.


15230

CARRYING AND STORAGE REELS			
MODEL	**CAPACITY**		**WEIGHT**
	Ø 5/16 IN. (8.4 MM)	**Ø 7/16 IN. (11.5 MM)**	
889	82 ft. (25 m)	–	2 lbs. (0.9 kg)
909	164 ft. (50 m)	82 ft. (25 m)	2.5 lbs. (1.1 kg)
899	328 ft. (100 m)	164 ft. (50 m)	4.4 lbs. (2 kg)


889

MANUAL ROPE REELER		
MODEL	**DESCRIPTION**	**WEIGHT**
858	425 ft. (130 m) manual reeler	22 lbs. (10 kg)
868	295 ft. (90 m) manual reeler	20 lbs. (9 kg)


858

BUMPER ROLLERS

Most structures require bumper rollers to keep the platform from damaging the facade. They can be placed in multiple positions along the platform.

- Heavy duty
- Lightweight
- Clamps easily to platform
- Non-marking
- 15 in. x 6 in. dia. rollers


PMR2300B

EXTENDABLE BUMPER ROLLERS

- Heavy duty
- Lightweight
- Clamps easily to platform
- Non-marking
- Maximum extension 36 in. (91.4 cm)

MODEL	DESCRIPTION	WEIGHT
PMR2300B	Standard bumper roller (15 x 6 in. dia.) with brackets	12 lbs. (5.4 kg)
PMR2100B	Extended bumper roller (16 3/8 x 36 in. dia.)	19 lbs. (8.6 kg)
3438	Telescopic pneumatic roller bumper	10 lbs. (4.5 kg)


PMR2100B

electric accessories

42094
- Power supply yoke with molded Y (220 V/1 phase) 40 ft. (12.2 m)

42448
- Booster transformer
- 4 KVA
- 7 positions 0-280 V

103K
- Power cord assembly

welding kit

The welding kit is required by OSHA when welding on a platform. The components are durable and easy to install. In case the wire rope is burned underneath the stage, the bottom hose is clear to see wire rope entering the tirak® hoist while descending. Components are available separately or in a complete kit.

WEATHER COVER

Protects tirak® from welding debris and splatter. This item is available for electric or pneumatic powered hoists.

COV2
- For pneumatic tirak®

COV3
- For electric tirak®

GROUNDING CLAMP AND MAGNET

AG000GAK
- 6 ft. (1.8 m) – AWG 2/0
- 500 A welding clamp
- 800 A magnetic welding clamp and kellems grip.

TOP ASSEMBLY

AG001
- Insulated tubing to protect wire rope located above the hoist.

BOTTOM ASSEMBLY

AG00BAK
- Split tube with velcro wraps and suspension U-bolt to protect wire rope located below the hoist.

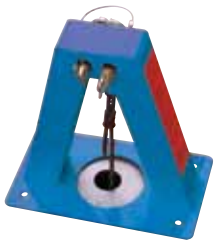
INSULATED WIRE ROPE THIMBLE

820106
- Insulates wire rope from rigging point.

drop thru stand

The drop thru stand is for temporary access via drop thru holes in balconies, rooftops, water tank platforms and other applications.

PGS0001B
- 1,500 lbs. (680 kg) capacity
- Up to a 5 in. (127 mm) diameter hole
- Can be used with wire ropes or lifelines



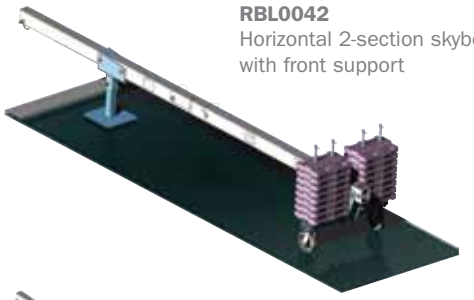
skybeam®

4 ft. (1.2 m) reach lightweight roof beam

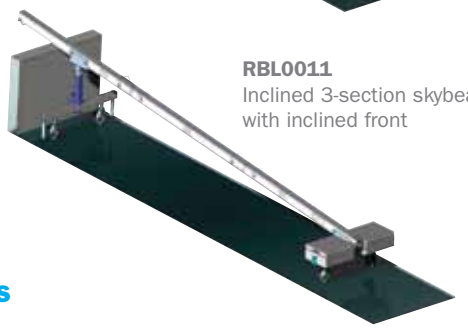
FEATURES

- Maximum capacity of 1,000 lbs. (453 kg)
- Lightweight beam for easy transportation to the job site
- Easy rigging with simple connector pins
- Available in two configurations:
  - Two 8 ft. (2.4 m) sections for compact installations
  - Three 8 ft. (2.4 m) sections for less counterweights
- Two styles of counterweights available:
  - Stacking counterweight system
  - Sliding counterweight on I-beam*

**Sliding counterweights supplied by others*



RBL0042
Horizontal 2-section skybeam®
with front support



RBL0011
Inclined 3-section skybeam®
with inclined front

4 FT. (1.2 M) REACH LIGHTWEIGHT ROOF BEAM REQUIREMENTS

STEP 1: Decide on a roof beam length

PART NUMBER	DESCRIPTION	16 FT. (4.9 M) ON PLATE STANDS	16 FT. (4.9 M) ON CASTERS	24 FT. (7.3 M) ON PLATE STANDS	24 FT. (7.3 M) ON CASTERS	INCLINED 16 FT. (4.9 M) ON CASTERS	INCLINED 24 FT. (7.3 M) ON CASTERS
STEP 2: Required sections							
RBC1010B	Front support saddle	1	1	1	1	1	1
RBH1050B	Front frame with side holder		1		1	1	1
RBH1070B	Front plate stand (sliding)	Optional	Optional	Optional	Optional	Optional	Optional
RBH1080B	Rear support base plate	2		2			
RBH2070B	Front plate stand (stacking)	1		1			
RBI1016A	Front vertical tube *Converts horizontal to inclined*					1	1
RBILJ1070B	Roof jack	Optional	Optional	Optional	Optional	Optional	Optional
RBL0200	Connection beam	1	1	2	2	1	2
RBL0210	8 ft. (2.4 m) front beam	1	1	1	1	1	1
RBL0220	8 ft. (2.4 m) middle beam			1	1		1
RBL0230	8 ft. (2.4 m) rear beam	1	1	1	1	1	1
RPL0910	Optional sliding collar						
3378	55 lbs. (25 kg) stacking counterweight	28	28	16	16	28	16
STEP 3: Choose one type of counterweights available							
Stacking counterweight type							
RBC2010B	Rear frame for stacking counterweight with casters	1	1	1	1	1	1
HAC17W99	Caster assembly		2		2	4	4
or							
Sliding I-beam counterweight type							
RBC1020B	Rear frame for sliding counterweight *Casters extra*	1	1	1	1	1	1
HAC17W99	Caster assembly		4		4	4	4

skybeam®

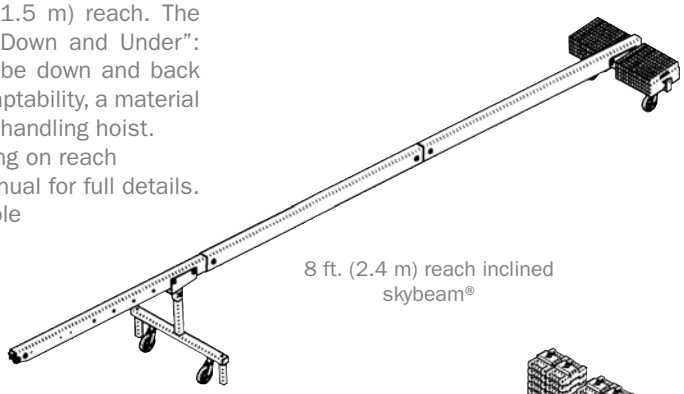
up to 8 ft. (2.4 m) reach roof beam

UP TO 8 FT. (2.4 M) REACH SKYBEAM®

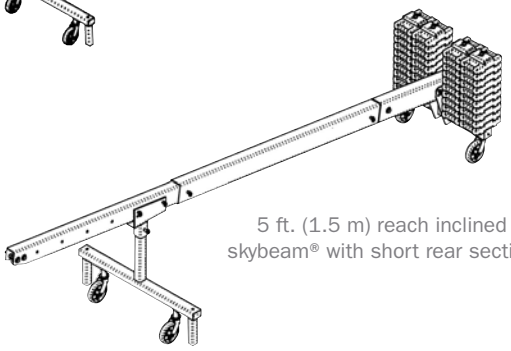
The original 8 ft. (2.4 m) reach heavy duty skybeam® available with 11 ft. (3.4 m) beams for maximum reach. 8 ft. (2.4 m) shorter beams are also available for easier mobility and offers up to 5 ft. (1.5 m) reach. The beam is adaptable as it can be converted with a "Down and Under": modular attachment which allows for suspension to be down and back for applications on the building face. For additional adaptability, a material hoist adaptor can convert the skybeam® to a material handling hoist.

- Maximum capacity of 1,500 lbs. (680 kg) depending on reach and number of counterweights. Please see the manual for full details.
- Fewer parts: easy to place on the roof and assemble
- Lightweight: all aluminium beam sections
- Two styles of counterweights available:
  - Stacking counterweight system
  - Counterweights on a I beam*
- Telescopic jib: allows for adjustment of overall suspension length

**Sliding counterweights supplied by others*



8 ft. (2.4 m) reach inclined skybeam®



5 ft. (1.5 m) reach inclined skybeam® with short rear section

UP TO 8 FT. (2.4 M) REACH ROOF BEAM REQUIREMENTS

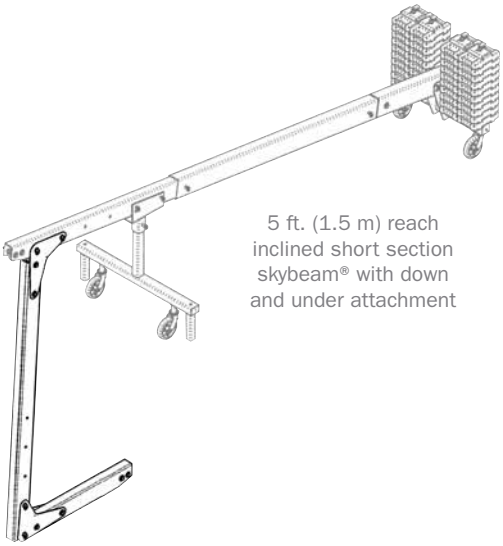
PART NUMBER	DESCRIPTION	HORIZONTAL			INCLINED		
		5 FT. (1.5 M) REACH WITH FRONT STAND	EXTENDED UP TO 8 FT. (2.4 M) REACH WITH FRONT STAND	SHORT WITH 5 FT. (1.5 M) REACH ON PLATE STANDS	5 FT. (1.5 M) REACH WITH FRONT STAND	EXTENDED UP TO 8 FT. (2.4 M) REACH WITH FRONT STAND	SHORT WITH 5 FT. (1.5 M) REACH ON PLATE STANDS
RBC1010B	Front support saddle	1	1	1	1	1	1
RBH1050B	Front frame with side holder	Optional	Optional	Optional	Optional	Optional	Optional
RBC1040B	11 ft. (3.4 m) skybeam® front beam	1	1		1	1	
RBC1050B	11 ft. (3.4 m) skybeam® rear beam	1	1		1	1	
RBC1070B	skybeam® extension (middle) beam		1			1	
RBC3040B	8 ft. (2.4 m) skybeam® short front beam			1			1
RBC3050B	8 ft. (2.4 m) skybeam® short rear beam			1			1
RBC3070B	8 ft. (2.4 m) skybeam® short extension (middle) beam			1			1
RBC1060	Extension link			1			1
RBC2010B	Rear frame for stacking counterweight with casters	1	1	1	1	1	1
RBH2070B	Front stand for horizontal beam	1	1	1			
RBI1070B	Inclined front stand *(casters to be purchased separately)*				1	1	1
RBI1016A	Inclined extension				Optional	Optional	Optional
RBILJ1070B	Roof jacks	Optional	Optional	Optional	Optional	Optional	Optional
HAC17W99	Caster assembly				2	2	2
3378	Stacking counterweights *(Sliding counterweights supplied by others)*	See manual for reach and counterweight details.					

skybeam®

up to 8 ft. (2.4 m) reach roof beam

DOWN AND UNDER ATTACHMENT

- Adaptable vertical lengths up to 15 ft. (4.5 m)
- Lightweight for easier mobility
- Easy access for under lipped parapet
- Maximum capacity of up to 1,000 lbs. (453 kg)



5 ft. (1.5 m) reach inclined short section skybeam® with down and under attachment

SKYBEAM® AS A MATERIAL HOIST

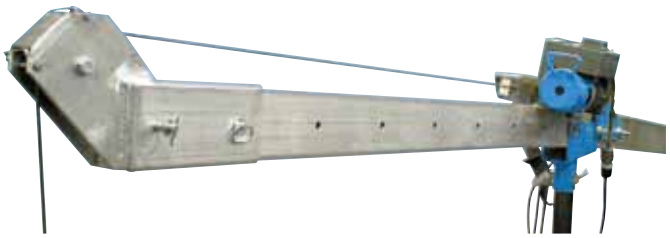
Turn your existing standard skybeam® into a 1,000 lbs. (453 kg) capacity material hoist with these adapters:

RBC1093B

- Material hoist cable guide

RBC1090B

- Material hoist mounting bracket



parapet clamp

aluminium parapet clamp

When the parapet is sufficiently strong (to be checked by the building engineer) our parapet clamps can be directly attached and used for suspension applications.

- 1,500 lbs. (680 kg) rated load
- Meets ANSI/SSFI SPS1.1
- Parapets 4 to 25 in. (10 to 63.5 cm) wide
- Weights 53 lbs. (24 kg)
- Can be used with two wire ropes (separate lifeline required)

portafix®
steel roof beam

Our portafix® suspension beams have been designed specially for use with our skysafe® suspended platforms. They may also be used for suspending other types of platforms.

- Heavy duty construction that won't wear out. Perfect for rental fleets.
- Modular design allows for progressive build up of a system. From flat roofs to 4 ft. (1.2 m) parapet clearance to extended outreach.
- Telescopic beam system allows for adjustment of beam length to accommodate different roof obstructions.
- Proven design. The design that everyone copies!

MODEL	PARAPET CLEARANCE	OUTREACH
Portafix II	4 ft. (1.2 m)	4 ft. (1.2 m) at 700 lbs. (320 kg) or 3 ft. (0.9 m) at 1,000 lbs. (450 kg)
Portafix III	4 ft. (1.2 m)	7 ft. (2.1 m) at 700 lbs. (320 kg) or 5.5 ft. (1.7 m) at 1,000 lbs. (450 kg)
Portafix IV	6 ft. (1.8 m)	7 ft. (2.1 m) at 700 lbs. (320 kg) or 5.5 ft. (1.7 m) at 1,000 lbs. (450 kg)

globetrac
windmill service lift

BENEFITS
- Powered by a newly designed space-saving tirak® hoist
- Controlled rate of speed in ascent and descent
- Easy to use, requires minimal training
- Can be customized for individual windmills
- Travel up/down with no fatigue for workers
- Two guiding ropes to guide the lift and prevent the cabin from rotating and/or swinging
- Interior/exterior controls for “empty running”
- Redundant safety features, blocstop® over speed control, upper/lower limit switches, guide rope, emergency stop, door lock and two harness anchors inside cabin

APPLICATIONS
- Wind power turbines
- Confined spaces
- Repair and assembly inside windmill mast
- High elevation inspection stations

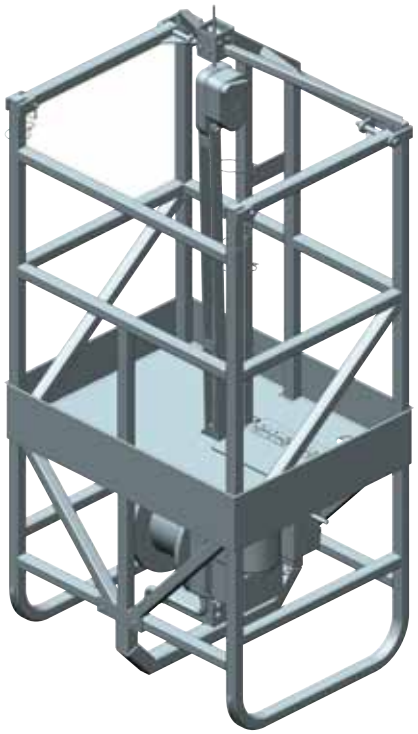
AVAILABLE MODELS

GLOBETRAC W SH
- With shutter door

GLOBETRAC W SL
- With sliding door

temporary access / assisted access (wind applications) / service lifts

tracage
man-riding cage



The Tracage is durable and designed to be a low maintenance cage. It is is designed with a hoist mounted on a saddle that can be easily dismounted by removing four bolts for service. It’s been designed for applications such as: ships, boilers, pulp and paper mills, mine access and maintenance, coal, power plants, boilers, refineries, mills, stacks, tanks and building facade maintenance. All the advantages of the tirak® traction hoist with a driven reeler.

FEATURES
- Up to 400 lbs. (181 kg) live load capacity
- Lightweight aluminium welded construction
- One-piece basket no assembly required
- Stirrup reinforced for mid-air transfers
- Hoist mount designed to provide wear protection at base
- Fair lead roller type to avoid any damage to cable
- Fits through standard 30 in. (76.2 cm) clear door opening
- Air hoist style basket contains air shut-off valve, air filter, water separator, pressure regulator (with gauge) and oiler

AVAILABLE MODELS

SMC9000
- For the tirak® X300 hoist

SMC8000
- For the tirak® X500 hoist

tractelift®

climbing aid for vertical ladders

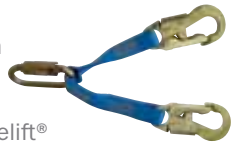
APPLICATIONS

- Wind power turbines
- Confined spaces
- Communication towers
- High-elevation inspection towers

POSITIONING LANYARD FOR TRACTELIFT®

C602Z/2

- 2 ft. (0.6 m) lanyard with two ¾ in. (20 mm) self-locking snap hooks and a carabiner for tractelift®



TRACTELIFT® TYPE I

The tractelift® Type I defines the concept of climb assist: this straightforward system offers users much wanted support during climbing. The system is switched on by starting to climb and switches off automatically after stopping. The system is reliable, easy to use and comes with a preselected pulling force of 80 lbs. (36 kg).

BENEFITS

- Less stress on arms and legs
- Less physical exertion for climber
- Lower risk of accidents as exhaustion is effectively reduced, significantly improving operational safety

OPTIONS

- Power supply: 110, 230 V
- Fixed motor
- Detachable motor
- CSA and UL compliant

TRACTELIFT® TYPE II

The tractelift® Type II climb and descent assist with adjustable pulling force by user remote. Two remotes are available and depending on the remote chosen the climb assist pulls with a pulling force corresponding to a user's weight from 100 to 250 lbs. (45 to 113 kg)

tractelift® Type II was developed listening to windmill technicians in the field. They wanted a system that was easy to use, provided a smooth and more powerful adjustable pulling force while climbing and descending. Field-tested, users agree that the tractelift® Type II has achieved these goals and more.

FEATURES AND BENEFITS

- Reduces worker fatigue while climbing and descending
- User-adjustable levels of pulling force while climbing and descending
- Smooth running providing controlled starts and stops
- User remote with Illuminated LCD
- Requires minimal training
- CSA and UL compliant
- Selection of up to eight pulling forces with user remote control

Adjustable remote control 793-DCRC2

Detachable control box TFDC381

OPTIONS

- Power supply: 110, 230 V
- Fixed model
- Detachable motor
- Detachable control box

UVM10L

inspection and blade maintenance platform

Suitable for a wide range of wind turbines and blade types.

FEATURES

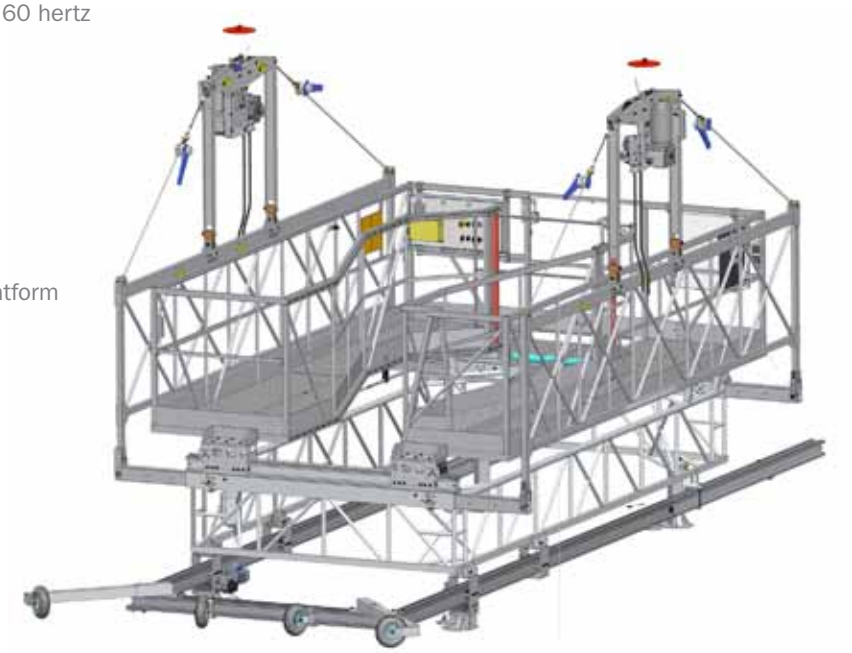
- Used with our tirak® XE1030P Hoist—UL and CSA certified
- Patented parallelogram hoist adjustment for leveling the platform
- From the central control box both sides of the platform can be independently adjusted and offset from center line
- Bevel section of platform can be manually adjusted for various blade configurations
- Working load limit is 530 lbs (240 kg) (265 lbs. [120 kg] per side of platform) Battery backup for emergency descent at the control box
- Operating voltage is 220 V, 3-phase, 60 hertz

ECONOMICAL SOLUTION

- Reduces the turbine's down time
- No external crane needed
- Takes less than two hours to install. Fast rigging and de-rigging

EASY TO MANOEUVRE

- No counterweights needed
- Full electrical manipulation of the platform
- Safer thanks to the platform's excellent stability



See also:

skysafe®
wind basket
p. 61

HEIGHT SAFETY

harnesses
at a glance

SERIES	MODEL	DORSAL D-RING	SIDE POS. D-RING	STERNAL D-RING	FRONTAL D-RING(S)	SHOULDER D-RING	QUICK-CONNECT LEGS	TONGUE AND BUCKLE LEGS	AUTO BUCKLES	SHOULDER/ TRACX PAD(S)	LEG PADS	BELT	ELASTICITY (ELASPAC)	APPLICATIONS	PAGE
PHOENIX	AC432	■					■							A	90
VERSAFIT	AC732	■					■							A	88
VERSAFIT	AD732	■						■						A	88
TRACX	AD732_/X	■						■		■				A	86
TRACX	AU732_/X	■							■	■				A	86
TRACX	AD732_/XT	■						■		■	■			A	86
TRACX	AU732_/XT	■							■	■	■			A	86
PHOENIX	AC442	■	■				■							AP	90
VERSAFIT	AC742	■	■				■							AP	88
VERSAFIT	AD742	■	■					■						AP	88
TRACX	AD742_/X	■	■					■		■				AP	86
TRACX	AU742_/X	■	■						■	■				AP	86
KEVLAR®	ACK04	■	■				■							AP	90
TRACX	EBD95_/X	■	■					■		■		■		AP	87
CONSTRUCTION	EBD95_	■	■					■		■		■		AP	89
TRACX	EBU95_/X	■	■						■	■		■		AP	87
ELASTRAC®	FMT95L	■	■						■	■	■	■	■	AP	85
TRACX	AD742_/XT	■	■					■		■	■			AP	86
TRACX	AU742_/XT	■	■						■	■	■			AP	86
TRACX	EBD95_/XT	■	■					■		■	■	■		AP	87
TRACX	EBU95_/XT	■	■						■	■	■	■		AP	87
X-STYLE	AC542	■	■	■			■							ALP	89
X-STYLE	AD542	■	■	■				■						ALP	89
TRACX	AU7132_/X	■	■	■					■	■				ALP	87
TRACX	AU7132_/XT	■	■	■					■	■	■			ALP	87
TOWERPRO	FBD_	■	■	■				■		■		■		ALP	92
DERRICK	EHBF02RL	■			■			■				■		AD	92
VERSAFIT	AC4102	■	■	■		■	■							AELP	88
VERSAFIT	AD7102	■	■	■		■		■						AELP	88
RESCUE	FUY12_	■	■	■	■				■	■	■	■		ADLP	91
TRACX	AU7112_/X	■	■	■	■				■	■				ADLP	87
TRACX	AU7112_/XT	■	■	■	■				■	■	■			ADLP	87

 Fall arrest
CSA group A

 Suspension/Descent
CSA group D

 Retrieval
CSA group E

 Ladder climbing
CSA group L

 Positioning
CSA Group P

 Restraint

how to choose a harness

SELECT THE CONNECTION POINTS ADAPTED TO YOUR USE (D-RINGS)

ADJUSTABLE DORSAL D-RING
For fall arrest and restraint.

SHOULDER D-RING
For rescue/ retrieval operations.

SIDE-POSITIONING D-RING
For work positioning applications.

FRONTAL ATTACHMENT D-RING
For suspension and ladder climbing applications.

STERNAL D-RING
For ladder climbing.

SELECT THE COMFORT LEVEL ADAPTED TO YOUR TYPE OF USE (ADJUSTMENT POINTS)

3-POINT ADJUSTMENT
- Legs (x2)
- Chest (x1)

5-POINT ADJUSTMENT
- Torso (x2)
- Legs (x2)
- Chest (x1)

7-POINT ADJUSTMENT
- Torso (x2)
- Subpelvic strap (x2)
- Legs (x2)
- Chest (x1)

SELECT THE LEG ADJUSTMENT TYPE

TONGUE AND BUCKLE
Easy belt-type adjustment and will not loosen during wear. Proper adjustment needs to be made each time worker uses harness.

QUICK-CONNECT
Quick and easy connection and release with pass-thru type buckle.

AUTO-BUCKLE
Always-ready adjustment for repetitive use. User simply needs to make a first-time adjustment.

SELECT ADDITIONAL COMFORT OPTIONS

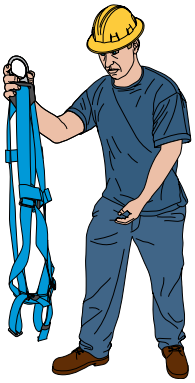
ELASPAC
Replaces conventional stretch webbing with a controlled mechanical pack that limits the harness stretch.

TRACX PAD
Adds support and distributes the loads evenly to the shoulders to reduce worker fatigue.

LEG PADS
Breathable lining and increases comfort for day-long use.

BELT
Padded for extra lumbar comfort. Relieves fatigue from weight of hanging tools.

donning the vest style harness



STEP 1

- Pick up your harness by its dorsal D-ring which is located at the black back plate. The front of the harness is located by the horizontal chest strap.
- Shake the harness to make sure that the straps are not twisted or tangled.

STEP 2

- Unfasten leg and chest straps so that they hang down freely.

STEP 3

- Open the front of the harness and insert your arms through the shoulder straps as you would do with a jacket so that the dorsal D-ring should be located at the middle of your back between your two shoulder blades.

STEP 4

- To secure the seat support, bend slightly forward at the hips and reach between your legs for the two contrasting colored leg straps. Connect the leg straps at your hips. By sliding the webbing through the male adjuster buckle ensure the leg straps are snug, yet comfortable by an open hand between your thigh and leg strap.
- When available, use the sub-pelvic strap slip lock adjuster to adjust the sub-pelvic strap so it fits your buttocks, just bellow pocket level.

STEP 5

- If the harness has adjustable shoulder straps, use the adjustment buckles at the lower end of each shoulder strap.

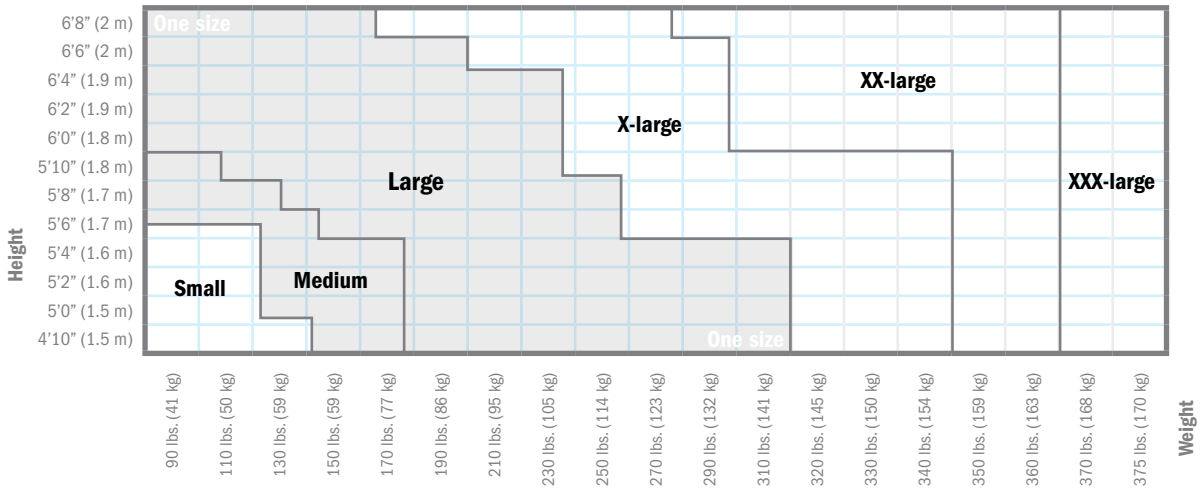
STEP 6

- Connect the chest strap. The chest strap should be positioned across your chest approximately at nipple level. Use the plastic chest plates on the shoulder straps to position the chest strap at the right height. The chest strap should be comfortably snug, but not so tight as to pull the shoulder straps inward.
- For female user adjustment, the chest strap should be adjusted above or below the breast level accordingly for comfort.
- Connect waist strap if the model has one.
- Secure all lose webbing from the shoulder and leg straps with the elastic keepers by folding or rolling the webbing under the keeper.

harnesses
at a glance

SIZES

All harnesses are available in different sizes. Modify part number by adding (or by replacing the letter L) at the end of the part number either the letter(s) S for small, M for medium, XL for X-large or XXL for XX-large.



MODULAR CAPABILITY

Most Tractel® harnesses can accomodate Tractel® belts. Order the belt separately.
Only Tractel® 's most popular models are shown. For specific applications, please contact our Customer Service.

BELT SIZES

SMALL	MEDIUM	LARGE	X-LARGE	XX-LARGE
31–39 in. (78–100 cm)	35–43 in. (88–110 cm)	38–46 in. (98–120 cm)	44–52 in. (108–130 cm)	46–55 in. (118–140 cm)

All belts are available in different sizes. Modify part number by replacing letter **L** at the end of the part number by either the letter(s) **S** for small, **M** for medium, **XL** for X-large or **XXL** for XX-large.

WAIST BELTS ARE PROHIBITED FOR FALL ARREST.

elastrac® harness

features

TRACX PAD
Adds support and distributes the loads evenly to the shoulders to reduce worker fatigue.

ADJUSTABLE DORSAL D-RING

SUSPENSION LOOP
To support worker weight while waiting for rescue.

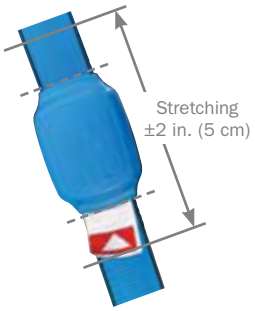
AUTO BUCKLE CHEST STRAP

To keep the lanyard arm out of the way when not in use, minimizing risk of tripping. Conveniently located on both chest strap keepers.

ElasPac
Replaces conventional stretch webbing with a controlled mechanical pack that limits the harness stretch to a maximum of 2 in. (5 cm) allowing a worker full mobility and freedom of movement while reducing excessive fall distances.

VISUAL FALL INDICATOR/ INSPECTION TABS

LABEL COVER



SPRING LOADED ADJUST BUCKLE
Easy adjustment / locks in place

SIDE-POSITIONING D-RINGS
For work positioning

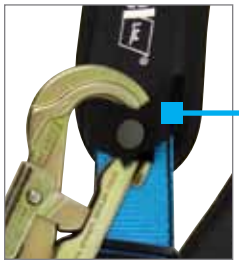
REMOVABLE TOOL BELT

WAIST PAD

INDEPENDENT SEAT SUPPORT

INDEPENDENT LEG STRAPS WITH AUTO BUCKLES AND LEG PADS

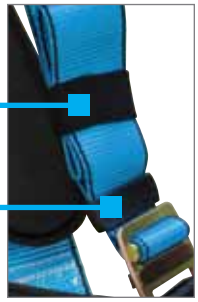
TRACTEL® 'S EXCLUSIVE DUAL KEEPER SYSTEM



LANYARD KEEPER
Snap release design to keep the lanyard arm out of the way when not in use and minimizing risk of tripping.

ELASTIC KEEPER
Allows excess webbing to be folded away to prevent intanglement.

PLASTIC SLIDING KEEPER
Positioned above adjuster buckle to prevent webbing creap.



elastrac® harness

flexibility, mobility, durability

ELASTRAC® WITH BELT

FMT95L

- ElasPac
- Auto-buckle leg straps
- Auto-buckle chest strap
- TracX pad
- Belt
- Suspension loop
- Side-positioning D-rings
- Leg pads
- Sizes: small, medium, large, X-large and XX-large

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

tracx harness

combining comfort and safety

FEATURES

- TracX pad provides extra comfort and minimizes weight on shoulders. Keeps you dry and comfortable with breathable lining.
- Adjustable sub-pelvic strap
- Optional leg pads

AD732/X

- Tongue and buckle legs
- TracX pad
- Dorsal D-ring
- Sizes: small, medium, large, X-large and XX-large

AD732/XT

▲ Same as AD732/X
\+ Leg pads

AU732/X *(shown)*

- Auto-lock buckles
- TracX pad
- Dorsal D-ring
- Sizes: small, medium, large, X-large and XX-large

AU732/XT

▲ Same as AU732/X
\+ Leg pads

AU732/X

AD742/X

- Tongue and buckle legs
- TracX pad
- Side-positioning D-rings
- Dorsal D-ring
- Sizes: small, medium, large, X-large and XX-large

AD742/XT

▲ Same as AD742/X
\+ Leg pads

AU742/X *(shown)*

- Auto-lock buckles
- TracX pad
- Side-positioning D-rings
- Dorsal D-ring
- Sizes: small, medium, large, X-large and XX-large

AU742/XT

▲ Same as AU742/X
\+ Leg pads

AU742/X

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

tracx harness

combining comfort and safety

AU7132/X *(shown)*

- Auto-lock buckles
- TracX pad
- Side-positioning D-rings
- Sternal D-ring
- Fixed chest strap
- Dorsal D-ring
- Sizes: small, one size, X-large and XX-large

AU7132/XT

▲ Same as AU7132/X
\+ Leg pads

AU7132/X

AU7112/X *(shown)*

- Auto-lock buckles
- TracX pad
- Side-positioning D-rings
- Sternal D-ring
- Frontal attachment D-rings
- Fixed chest strap
- Dorsal D-ring
- Sizes: small, one size, X-large and XX-large

AU7112/XT

▲ Same as AU7112/X
\+ Leg pads

AU7112/X

EBD95L/X *(shown)*

- Tongue and buckle legs
- TracX pad
- Padded back support belt with side-positioning D-rings
- Removable tool belt accommodates pouches
- Dorsal D-ring
- Sizes: small, one size, X-large and XX-large

EBD95L/XT

▲ Same as EBD95L/X
\+ Leg pads

EBU95L/X

- Auto-lock buckles
- TracX pad
- Padded back support belt with side-positioning D-rings
- Removable tool belt accommodates pouches
- Dorsal D-ring
- Sizes: small, one size, X-large and XX-large

EBU95L/XT

▲ Same as EBU95L/X
\+ Leg pads

EBD95L/X

Fall arrest CSA group A
Suspension/Descent CSA group D
Retrieval CSA group E
Ladder climbing CSA group L
Positioning CSA Group P
Restraint

versafit harness

FEATURES

- 7-point adjustment including adjustable sub-pelvic strap
- Lanyard keeper
- Label cover

AC732 *(shown)*

- Quick-connect legs
- Dorsal D-ring
- Sizes: small, one size, X-large and XX-large

AD732

- Tongue and buckle legs
- Dorsal D-ring
- Sizes: small, one size, X-large and XX-large


AC732

AC742

- Quick-connect legs
- Dorsal D-ring
- Side-positioning D-rings
- Sizes: small, one size, X-large and XX-large

AD742 *(shown)*

- Tongue and buckle legs
- Dorsal D-ring
- Side-positioning D-rings
- Sizes: small, one size, X-large and XX-large


AD742

AC7102 *(shown)*

- Quick-connect legs
- Dorsal D-ring
- Retrieval D-rings
- Sternal D-ring
- Fixed chest strap
- Side-positioning D-rings
- Sizes: small, one size, X-large and XX-large

AD7102

- Tongue and buckle legs
- Dorsal D-ring
- Retrieval D-rings
- Sternal D-ring
- Fixed chest strap
- Side-positioning D-rings
- Sizes: small, one size, X-large and XX-large


AC7102

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

construction harness

EBD95L

- Tongue and buckle legs
- Dorsal D-ring
- Padded back support belt with side-positioning D-rings
- Removable tool belt accommodates pouches
- Shoulder pads
- Lanyard retaining clips on both shoulder straps
- Fall indicators / inspection tag / serial number
- Sizes: small, medium, large, X-large and XX-large

x-style harness

AC542

- Quick-connect legs
- Four-point adjustment
- Adjustable sub-pelvic strap
- Adjustable sternal D-ring
- Fall indicators / inspection tag / serial number
- Dorsal D-ring
- Side-positioning D-rings
- Sizes: Small, one-size, X-large and XX-large

AD542 *(shown)*

▲ Same as AC542

\+ Tongue and buckle legs

AD542

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

kevlar® harness

fire retardant

ACK04

- Quick-connect legs
- Impact reduction fold
- Five-point adjustment
- Adjustable dorsal D-ring
- Adjustable chest strap
- Sewn sub-pelvic strap
- Inspection tag / serial number
- Kevlar® thread for durability
- Side-positioning D-rings
- Sizes: Small, one-size and X-large

Kevlar® is a registered trademark of Dupont

phoenix harness

AC432 *(shown)*

- Quick-connect legs
- Dorsal D-ring
- Size: One size fits most

AC442

- Quick-connect legs
- Dorsal D-ring
- Side-positioning D-rings
- Size: One size fits most

AC432

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

rescue harness

the safety harness with superior fit for all day comfort and quick intervention!

TRACX PAD
- Adds support and distributes the loads evenly to the shoulders to reduce worker fatigue

STERNAL AND WAIST D-RINGS
- Improves connection options
- Ideal for ladder climbing, rescue, controlled descent and positioning
- Lightweight

TRIPLE-LOCKING ALUMINIUM CARABINER
- Increases safety level
- Lightweight

INDEPENDENT LEG STRAPS
- Leg strap design moves independently allowing complete freedom of movement and flexibility

VISUAL FALL INDICATOR

LARGE AND BENT ALUMINIUM SIDE D-RINGS
- Improves accessibility
- Facilitates connection options
- Will not interfere in confined spaces when not in use
- Ideal for certain positioning needs
- Lightweight

LEG PADS
- With auto buckle

FUY119L

- Y-style keeping shoulder straps in place
- Waist D-ring for rescue attachment and controlled descent
- Independent leg/seat support
- TracX comfort pad
- Comfort waist lumbar support
- Six-point adjustment
- Size: Medium, large, X-large and XX-large

BENEFITS
- Simplifies rescue attachment
- Keeps work-position centered
- Unrestricted leg movement
- Increased mobility

APPLICATIONS
- Fall arrest
- Ladder climbing
- Work positioning
- Descent
- Rescue
- Rope access
- Rigging
- Tower climbing
- Wind

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

towerpro harness

FBDL

- Tongue and buckle legs
- Adjustable sub-pelvic strap
- Seven-point adjustment
- Adjustable chest strap assembly
- Fixed chest strap with sternal D-ring
- Spring-adjuster buckle
- Padded back support belt with side-positioning D-rings
- Removable tool belt accommodates pouches
- Padded leg straps
- Lanyard retaining clips on both shoulder straps
- Lanyard arm-positioning system
- Fall indicators / inspection tag / serial number
- Dorsal D-ring
- Sizes: Small, medium, large, X-large and XX-large

XSAD1

- Rigid Pro-Seat saddle to be added to harness
- Detachable

derrick harness

EHBF02RL *(shown)*

- Tongue and buckle legs
- 2 ft. (0.6 m) shock absorber
- Adjustable sub-pelvic strap
- Seven-point adjustment
- Restraint D-ring
- Frontal attachment
- Adjustable chest strap
- Lanyard retaining clips on both shoulder straps
- Padded back support belt with rear attachment
- Removable tool belt accommodates pouches
- Fall indicators / inspection tag / serial number
- Sizes: Small, medium, large, X-large and XX-large

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

belts

TOOL BELT
BD852L
- 1¾ in. (45 mm) wide
- Polyester webbing
- Tongue and buckle
- Side-positioning D-rings
- Sizes: Small, medium, large, X-large and XX-large

PADDED BELT
BD952L
- 4 in. (102 mm) wide
- Thermal-formed padded back support
- Tongue and buckle
- Side-positioning D-rings
- Sizes: Small, medium, large, X-large and XX-large

MINER'S BELT
BM942L
- 4 in. (102 mm) wide
- Foam padded
- Restraint D-ring
- Strap for batteries
- Polyester webbing
- Tongue and buckle
- Sizes: Small, medium, large, X-large and XX-large

WARNING: WAIST BELTS ARE PROHIBITED FOR FALL ARREST

accessories
for harnesses

TRACVEST
XVEST02
- Lightweight outer mesh
- Breathable inner liner snaps apart to accommodate harness
- Reflective striping front and back
- Side storage pockets
- Lanyard retaining clip
- D-ring extender keeper
- Washable
- Sizes: one-size and X-large

SHOULDER PADS
XSPADW
- Fits any harness
- Easy to install and remove
- Washable

LEG PADS
XLPAD2W
- Fits any harness
- Easy to install and remove
- Washable

D-RING EXTENDER
XW112R1
- Compatible with all Tractel® harnesses
- Easy pass-through design

BAGS
XB1116 *(shown)*
- Lightweight storage bag
- 11 x 16 in. (28 x 40 cm)

XB0820 *(shown)*
- Carrying bag with handles
- 8 x 20 in. (20 x 50 cm)

XB2111
- Carrying bag with handles
- 11 x 11 x 21 in. (28 x 28 x 53 cm)

XB1116

XB0820

how to choose a lanyard

LENGTH & ARMS

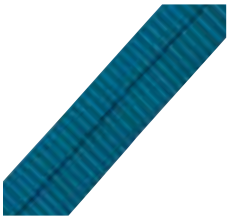
Length

Different lengths available, the standard is 6 ft. (1.8 m). Selecting the proper length minimizes the free fall distance. (Consult your Competent Person)

Arms

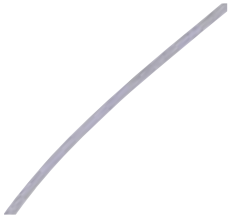
Single-arm lanyards are mostly used for common applications. Two-arm lanyards are used when 100% tie-off is required.

MATERIAL



WEBBING
Could be used in different environments, make sure to recognize the possible exposed working hazards. Consult your competent person.

KEVLAR®
Best heat-resistant material for flammable environments.



WIRE ROPE
Best resistance for where highly abrasive, corrosive and heat conditions would greatly affect synthetic made lanyards.

SHOCK ABSORBER

TRACPAC
Pack design, deploys and dissipates the energy by extending the deceleration distance.

EXTENDFOR
Composed of a specially woven core material and a structural tubular sheath webbing. The core material is constructed to stretch when dynamically loaded.

STRETCHFOR
Based on the Extendfor's design, with the addition of an internal elastic retainer, the lanyard length stretches and reduces tripping hazards.

SELF-LOCKING SNAP HOOKS

¾ in. (20 mm) STEEL HOOK
Forged steel, standard hook for most applications.

2¼ in. (57 mm) STEEL HOOK
Forged steel, hook used mostly for scaffolding and rebar work.

2½ in. (64 mm) ALUMINIUM HOOK
Polished aluminium, lighter for day-long comfort.

RINGS

RESCUE RING
Used to relieve tension from victim's lanyard for quicker rescue.

TIE-BACK RING
Designed to wrap lanyard around suitable anchor structure back to the lanyard (ex. beam).

shock-absorbing lanyards

All lanyards listed below are 6 ft. (1.8 m) and have a ¾ in. (20 mm) self-locking snap hook at shock pack end.

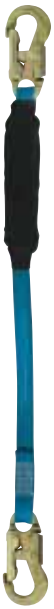
All shock-absorbing lanyards are available for the following standards:
- **E4 with a capacity of 100 to 254 lbs. (45 to 115 kg)**
- **E6 with a capacity of 200 to 356 lbs. (90 to 160 kg)**

To order an E6 lanyard, please change E4 for E6 in the product code.

TRACPAC LIGHTWEIGHT SHOCK-ABSORBING LANYARDS

- Available lengths: 3, 4 or 6 ft. (0.9, 1.2 or 1.8 m) only

One arm	
C1106Z/E4	with ¾ in. (20 mm) self-locking snap hook
C1106H/E4	with 2¼ in. (57 mm) self-locking snap hook
Two arms	
C1126Z/E4	two arms with ¾ in. (20 mm) self-locking snap hook
C1126H/E4	two arms with 2¼ in. (57 mm) self-locking snap hook



C1106Z/E4

TRACPAC HIGH-ABRASION SHOCK-ABSORBING LANYARDS

- Available lengths: 3, 4 or 6 ft. (0.9, 1.2 or 1.8 m) only except adjustable and tie-back models

One arm	
C106Z/E4	with ¾ in. (20 mm) self-locking snap hook
C106H/E4	with 2¼ in. (57 mm) self-locking snap hook
C196ZZ/E4	adjustable with tie-back and ¾ in. (20 mm) self-locking snap hook
Two arms	
C126Z/E4	two arms with ¾ in. (20 mm) self-locking snap hooks
C126H/E4	two arms with 2¼ in. (57 mm) self-locking snap hooks
C186ZZ/E4	two adjustable arms with tie back and ¾ in. (20 mm) self-locking snap hooks

C126H/E4

PHOENIX SHOCK-ABSORBING LANYARDS

- Available length: 6 ft. (1.8 m) only

One arm	
C006K/E4	with ¾ in. (20 mm) self-locking snap hook
C006H/E4	with 2¼ in. (57 mm) self-locking snap hook
Two arms	
C026H/E4	two arms with 2¼ in. (57 mm) self-locking snap hooks

C006K/E4

See also:

connectors p. 99

shock-absorbing lanyards

All lanyards listed below are 6 ft. (1.8 m) and have a ¾ in. (20 mm) self-locking snap hook at shock pack end.

All shock-absorbing lanyards are available for the following standards:
- **E4 with a capacity of 100 to 254 lbs. (45 to 115 kg)**
- **E6 with a capacity of 200 to 356 lbs. (90 to 160 kg)**

To order an E6 lanyard, please change E4 for E6 in the product code.

TRACPAC SHOCK ABSORBERS

C002RZ/E4	18 in. (46 cm) with D-ring and ¾ in. (20 mm) self-locking snap hook
C002Z/E4	24 in. (60 cm) with ¾ in. (20 mm) self-locking snap hooks

C002RZ/E4

TRACPAC EXTENDIBLE SHOCK-ABSORBING LANYARDS

- Extends from 4½ to 6 ft. (1.4 to 1.8 m)
- Available length: extendible from 4½ to 6 ft. (1.4 to 1.8 m) only

One arm	
C206Z/E4	with ¾ in. (20 mm) self-locking snap hook
C206H/E4	with 2¼ in. (57 mm) self-locking snap hook
Two arms	
C226H/E4	two arms with 2¼ in. (57 mm) self-locking snap hooks

C226H/E4

C806Z/E4

TRACPAC ROPE SHOCK-ABSORBING LANYARDS

- With ⅝ in. (16 mm) rope
- Available length: 4 or 6 ft. (1.2 or 1.8 m) only.

One arm	
C806Z/E4	with ¾ in. (20 mm) self-locking snap hook
C806H/E4	with 2¼ in. (57 mm) self-locking snap hook

TRACPAC RESCUE LANYARD WITH DUAL SHOCK ABSORBER

- Available length: 6 ft. (1.8 m) only

Two arms	
CA126H/RE4	two arms with 2¼ in. (57 mm) self-locking snap hooks

CA226H/RE4

TRACPAC RESCUE LANYARD WITH DUAL SHOCK ABSORBER

- Extendible from 4½ to 6 ft. (1.4 to 1.8 m)
- Available length: stretchable from 4½ to 6 ft. (1.4 to 1.8 m) only

Two arms	
CA226H/RE4	two arms with 2¼ in. (57 mm) self-locking snap hooks

See also:

connectors
p. 99

shock-absorbing lanyards

All lanyards listed below are 6 ft. (1.8 m) and have a ¾ in. (20 mm) self-locking snap hook at shock pack end.

All shock-absorbing lanyards are available for the following standards:
• E4 with a capacity of 100 to 254 lbs. (45 to 115 kg)
• E6 with a capacity of 200 to 356 lbs. (90 to 160 kg)

To order an E6 lanyard, please change E4 for E6 in the product code.

STRETCHFOR SHOCK-ABSORBING LANYARDS

- Reduces tripping hazards
- Available length: stretchable from 4½ to 6 ft. (1.4 to 1.8 m) only

One arm	
C506Z/E4	with ¾ in. (20 mm) self-locking snap hook
C506H/E4	with 2¼ in. (57 mm) self-locking snap hook
Two arms	
C526H/E4	two arms with 2¼ in. (57 mm) self-locking snap hooks
C526Y/E4	two arms with 2½ in. (63 mm) aluminium self-locking snap hooks


C506H/E4


C526H/RE4

STRETCHFOR RESCUE SHOCK-ABSORBING LANYARDS

- With rescue ring
- Available length: stretchable from 4½ to 6 ft. (1.4 to 1.8 m) only

Two arms	
C526H/RE4	two arms with 2¼ in. (57 mm) self-locking snap hooks
C526Y/RE4	two arms with 2½ in. (63 mm) aluminium self-locking snap hooks

EXTENDFOR SHOCK-ABSORBING LANYARDS

- Reduces impact force
- Available lengths: 4 or 6 ft. (1.2 or 1.8 m) only

One arm	
C706Z/E4	with ¾ in. (20 mm) self-locking snap hook
C706H/E4	with 2¼ in. (57 mm) self-locking snap hook
Two arms	
C726H/E4	two arms with 2¼ in. (57 mm) self-locking snap hooks


C706Z/E4


C0K306Z/E4

WIRE ROPE SHOCK-ABSORBING LANYARDS

- Vinyl covered wire rope with Kevlar® covered shock absorber
- Available length: 6 ft. (1.8 m) only

One arm	
C0K306Z/E4	with ¾ in. (20 mm) self-locking snap hook
Two arms	
C0K326Z/E4	two arms with ¾ in. (20 mm) self-locking snap hooks

See also:

connectors
p. 99

work-positioning lanyards

All lanyards listed below are 6 ft. (1.8 m) and have a ¾ in. (20 mm) self-locking snap hook at one end.

HIGH-ABRASION WEB LANYARDS

- Available lengths: 3, 4 or 6 ft. (0.9, 1.2 or 1.8 m) only except adjustable models.

C606Z	with ¾ in. (20 mm) self-locking snap hook
C606H	with 2¼ in. (57 mm) self-locking snap hook
C696Z	adjustable with ¾ in. (20 mm) self-locking snap hook


C606Z

⅝ IN. (16 MM) ROPE LANYARDS

- Available lengths: 3, 4 or 6 ft. (0.9, 1.2 or 1.8 m) only except adjustable models.

C406Z	with ¾ in. (20 mm) self-locking snap hook
C496Z	adjustable with ¾ in. (20 mm) self-locking snap hook


C406Z

VINYL COVERED WIRE ROPE LANYARD

- For work positioning only
- Available lengths: 3, 4 or 6 ft. (0.9, 1.2 or 1.8 m) only.

C906Z	with ¾ in. (20 mm) self-locking snap hook


C906Z

work-positioning assemblies

ADJUSTFOR work-positioning rope lanyard

CSP06C1

- 6 ft. x ½ in. (1.8 m x 12.5 mm) rope lanyard with rope adjuster
- Friction bend rope adjuster
- Lightweight made of aluminium and steel components
- Abrasion resistant sheath
- Security sewn-end termination

REBAR CHAIN ASSEMBLY

V61WH

- 2¼ in. (57 mm) with swivel link hook
- Swivel assembly
- All self-locking hooks
- Overall length: 27 in. (68.6 cm)

connectors for lanyards

All lanyards that meet ANSI A10.32-2012 and Z359.12-2009 come standard with a ¾ in. (20 mm) forged steel self-locking snap hook (#43601 – Z) at each end. Choose your connector in the list below by changing the last letter of the lanyard product code by the one in brackets.
All hooks and carabiners comply with the 3,600 lbs. (16 kN) gate strength requirement.

43601 (Z)
- Forged steel
- ¾ in. (20 mm) opening
- Breaking strength: 5,000 lbs. (22.2 kN)
- Gate strength: 3,600 lbs. (16 kN)

44651Z (V)
- Forged steel
- ⅞ in. (22 mm) opening
- Swivel
- Visual fall indicator

443615 (H)
- Forged steel
- 2¼ in. (57 mm) opening
- Breaking strength: 5,000 lbs. (22.2 kN)
- Gate strength: 3,600 lbs. (16 kN)

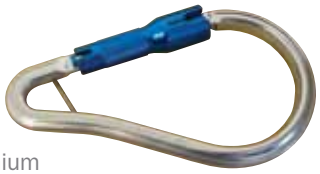
45271 (Y)
- Forged aluminium
- 2½ in. (64 mm) opening
- Breaking strength: 5,000 lbs. (22.2 kN)
- Gate strength: 3,600 lbs. (16 kN)

PM11Z (C1)
- Alloy steel
- ⅝ in. (16 mm) opening
- Breaking strength: 5,000 lbs. (22.2 kN)
- Gate strength: 3,600 lbs. (16 kN)

P2854Z
- Anodized aluminium
- 15⁄16 in. (24 mm) opening
- Breaking strength: 5,620 lbs. (25 kN)
- Gate strength: 3,600 lbs. (16 kN)

P202Z (T1)
- Alloy steel
- 1 in. (26 mm) opening
- Breaking strength: 11,200 lbs. (50 kN)
- Gate strength: 3,600 lbs. (16 kN)
- Captive eye pin included

P307Z (T)
- Alloy steel
- 2 in. (50 mm) opening
- Breaking strength: 9,000 lbs. (40 kN)
- Gate strength: 3,600 lbs. (16 kN)
- Captive eye pin included



P2868Z (C6)
- Anodized aluminium
- 2 in. (53 mm) opening
- Breaking strength: 5,620 lbs. (25 kN)
- Gate strength: 3,600 lbs. (16 kN)
- Captive eye pin included

P407Z (TT)
- Alloy steel
- 2 in. (53 mm) opening
- Breaking strength: 7,200 lbs. (32 kN)
- Gate strength: 3,600 lbs. (16 kN)
- Captive eye pin included

fall protection kit

AERIAL LIFT KIT

- Phoenix harness (A432)
- Sewn shock-absorbing lanyard
- Storage bag (XB1116)

EAC04K/E4 or EAC04K/E6
- Sewn 4 ft. (1.2 m) shock-absorbing lanyard (C004K/E4 or C004K/E6)

EAC06K/E4 or EAC06K/E6
- Sewn 6 ft. (1.8 m) shock-absorbing lanyard (C006K/E4 or C006K/E6)

EAC06K/E4

BASIC FALL PROTECTION KIT

KITC-B01K/E4 or KITC-B01K/E6

- Basic harness
- 6 ft. (1.8 m) shock-absorbing lanyard (C006K/E4 or C006K/E6)
- Storage bag (XB1116)

KITC-B01K/E4

tower climber's kits

BASIC KIT

KITC-TCBZL/E4 or KITC-TCBZL/E6

- TowerPro harness (FBDL)
- Tie-back lanyard (C186ZZ/E4)
- Work-positioning lanyard (CSP06C1)
- Helmet (K3A16)
- Tractel® gear bag (XB2111)
- Sizes: medium, large and X-large

DELUXE KIT *(shown)*

KITC-TCDZL/E4 or KITC-TCDZL/E6

- TowerPro harness (FBDL)
+ Pro-Seat saddle (XSAD1)
- Tie-back lanyard (C186ZZ/E4)
- Work-positioning lanyard (CSP06C1)
+ stopfor® A ⅝ in. (16 mm) rope grab (WA58)
+ Quick-draw lanyard (CL02Z)
+ 5⁄16 in. (8.4 mm) wire rope grab with carabiner (LT516)
- Helmet (K3A16)
- Tractel® gear bag (XB2111)
- Sizes: medium, large and X-large

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

quik-mount®
roofing system

QUIK-MOUNT® KIT
N0925S/E4 or N0925S/E6

- Basic 5-point adjustement harness
- Stopfor® B rope grab – WB58
- 30 in. (0.75 m) shock-absorbing lanyard
- Superline lifeline
- One reusable roof anchor with screws
- Pail

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

accessories
for quik-mount® roofing system

REUSABLE PEAK ROOFING ANCHOR
N105B

- Box of five anchors
- Screws included

REUSABLE FLAT ROOFING ANCHOR
428104S

- Individual packaging
- Screws included

HEAVY-DUTY HINGED D-RING ROOF ANCHOR
428103S

- Screws included

roof anchors

SCREW-DOWN ROOF ANCHOR

The Screw-down roof anchor has a 360° swiveling basket to hold up to 50 ft. (15 m) of retractable lifeline. This convenient setup keeps the self-retracting lifeline off the roof and rotating freely for greater ease of movement. Lightweight and portable, this anchor provides a quick solution to your fall protection needs. For wood roofs.

N620	Anchor only
N620/3 *(shown)*	With 30 ft. (9 m) blocfor® AES Leading Edge self-retracting lifeline
N620/5	With 50 ft. (15 m) blocfor® Leading Edge self-retracting lifeline

ADJUSTABLE/SWIVEL RIDGE ANCHOR

Mount this anchor at the peak of the roof, use up to a 50 ft. (15 m) self-retracting lifeline in the 360° swiveling basket and work both sides of the roof without having to move the anchor. This anchor is the ultimate in flexibility, and with its durable powder coated steel finish, it will provide years of trouble free service. For wood roofs.

N630	Anchor only
N630/3 *(shown)*	With 30 ft. (9 m) blocfor® AES Leading Edge self-retracting lifeline
N630/5	With 50 ft. (15 m) blocfor® Leading Edge self-retracting lifeline

FLAT METAL ROOF ANCHOR

The flat metal roof anchor provides continuous protection and 360° freedom of movement on Type B and Type R roof decking as well as flat metal roofs. It's lightweight and the screw-down installation allows for a quick and easy installation. For metal roofs.

N640	Anchor only
N640/3 *(shown)*	With 30 ft. (9 m) blocfor® AES Leading Edge self-retracting lifeline
N640/5	With 50 ft. (15 m) blocfor® Leading Edge self-retracting lifeline

STANDING SEAM ROOF ANCHOR

The standing seam roof clamp provides continuous protection and freedom of movement on flat or sloped seamed roofs. Provides a 360° swivel mount with a retractable lifeline. Adjustable for metal roof seams 24, 30, 32 and 36 in. (60, 75, 80 and 90 cm). For metal roofs.

N650	Anchor only
N650/3 *(shown)*	With 30 ft. (9 m) blocfor® AES Leading Edge self-retracting lifeline
N650/5	With 50 ft. (15 m) blocfor® Leading Edge self-retracting lifeline

hard anchorage connectors

BEAM CLAMP

V5009

- Fits I-beam from 3 to 9¼ in. (76 to 235 mm)
- Screw-down adjustment

V5009

BEAM TROLLEY

V5019

- Fits I-beam from 2⁵⁄₁₆ to 8¹¹⁄₁₆ in. (59 to 220 mm)
- Simple screw-down adjustment
- Locking nut

V5019

BEAMSLIDE

Sliding beam anchor.

V5002

- Fits I-beam from 4 to 14 in. (100 to 355 mm)
- Autolocking positioning knob
- Steel rollers allow for smooth travel.

V5002

ANCHORAGE D-RINGS

V3731 *(shown)*

- ½ in. (13 mm) hole
- Includes nut and bolt

V4232

- Clearance hole for ½ in. (13 mm) bolt
- Does not include hardware

V4238

- Clearance hole for ⅝ in. (16 mm) bolt
- Does not include hardware

V3731

ANCHOR BAR

V62217

- Door or window anchor point
- Very fast and easy to set up
- Up to 43 in. (1.1 m) wide

V62217

hard anchorage connectors

PORTABLE ANCORE WEDGE

Reusable concrete anchor connector.

V42PAWFP
- For fall protection
- Breaking strength: 5,000 lbs. (22.2 kN)

V42PAWFP2
- For fall protection
- Breaking strength: 10,000 lbs. (44.4 kN)

V42PALFP
- For fall protection
- Also works with steel
- Breaking strength: 5,000 lbs. (22.2 kN)

V42PAWCI1K
- For construction or industrial use
- Breaking strength: 5,000 lbs. (22.2 kN)

V42PAWCI2K
- For construction or industrial use
- Breaking strength: 10,000 lbs. (44.4 kN)

FIRST MAN REMOTE HOOK

Ideal for specialized high reach anchor placement.

V1820
- Complete First man remote hook (V3106117)
- Fiberglass pole that extends from 8 to 20 ft. (2.4 to 6 m) with adapter for hook assembly (V1106697)

V148C
- Fiberglass pole
- With carabiner
- Extends from 4 to 8 ft. (1.2 to 2.4 m)

soft anchorage connector

ANCHOR SLINGS

- Pass-through D-ring
- Rated 5,000 lbs. (22.2 kN)
- Made of polyester webbing
- Heavy duty back pad

V4136
- 15 in. (0.4 m) length

V4135 *(shown)*
- 3 ft. (0.9 m) length

V4165
- 6 ft. (1.8 m) length

ANCHOR STRAPS

- For structural member
- Rated 5,000 lbs. (22.2 kN)
- 4 ft. (1.2 m)
- Also available in 6 ft. (1.8 m)

V8304
- Two loops

V8314 *(shown)*
- One loop and one D-ring

PHOENIX ANCHOR SLINGS

- 6 ft. (1.8 m) long

V4006
- Anchor choker with one D-ring

V4016
- With two D-rings

SLING CHOKER

V4115
- 15 in. (0.4 m) length
- Rated 5,000 lbs. (22.2 kN)
- Made of polyester webbing

WIRE ROPE SLINGS

V4173
- 6 ft. x ¼ in. (1.8 m x 6 mm)
- Vinyl covered

V41906Z
+ ¾ in. (20 mm) self-locking snap hook
+ O-ring

V419060
+ O-rings

CONCRETE ANCHOR STRAPS

- Rated 5,000 lbs. (22.2 kN)
- For rebar steel
- Protective sleeve

V8204
- 4 ft. (1.2 m)
- Two loops

V8206
- 6 ft. (1.8 m)
- Two loops

V8234
- 4 ft. (1.2 m)
- One loop and one D-ring

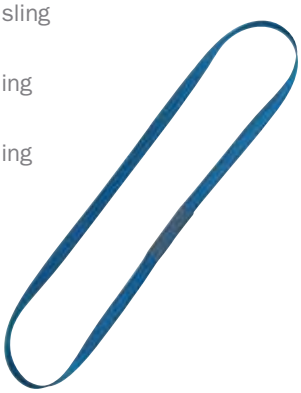
V8236
- 6 ft. (1.8 m)
- One loop and one D-ring

ENDLESS SLINGS

V41321
- 18 in. (0.5 m) endless sling

V41323 *(shown)*
- 3 ft. (0.9 m) endless sling

V41326
- 6 ft. (1.8 m) endless sling



rope grabs

STOPFOR® B TRAILING ROPE GRAB

The stopfor® B is a lightweight hands-free grab. The unique design provides a roll over cam brake technology which applies breaking pressure to the lifeline in the event of a fall yet allows unprecedented mobility when travelling, extending rope life.

WB58
- Lightweight
- Anti-reversability provided by gravity pin
- Anti-panic function with roll-over cam brake
- ⅝ in. (16 mm) three-strand rope diameter

WB58P *(shown)*
+ With park feature

WB58P

WIRE ROPE GRABS

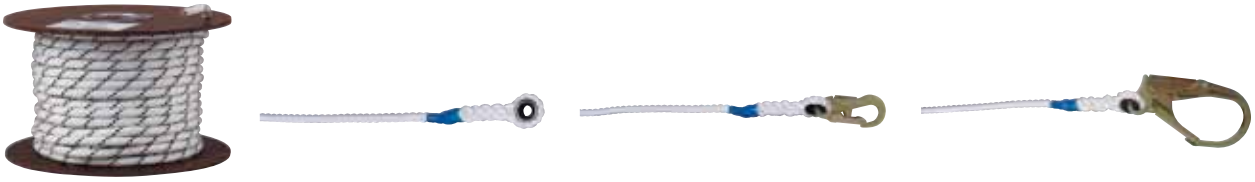
The wire rope grab is meant to be incorporated in a personal fall protection system where synthetic lifelines would degrade due to chemical, abrasive or high-heat conditions.
- Gravity lever prevents upside-down installation

LT516 *(shown)*
- Used on 5⁄16 in. (8.4 mm) diameter wire rope

D51612Z
- With 2 ft. shock absorber, used on 5⁄16 in. (8.4 mm) diameter wire rope


LT516

lifelines



BULK KERNMANTLE LIFELINES

G70716
- 7⁄16 in. (11 mm) diameter
- Breaking strength: 8,000 lbs. (35.6 kN)

G7012
- ½ in. (13 mm) diameter
- Breaking strength: 10,000 lbs. (44.4 kN)

** Replace "—" in part number with desired length in feet. Standard lengths: 25, 50, 100, 200, 300 and 400 ft.*

POLYBLEND LIFELINES

- ⅝ in. (16 mm) diameter
- Breaking strength: 6,500 lbs. (28.9 kN)

G9058
- Bulk – Reels of 600 and 1,200 ft. (180 and 365 m)

GB—N*
- Nylon thimble only

GB—NK*
- ¾ in. (20 mm) snap hook

GB—NH*
- 2¼ in. (57 mm) snap hook

SUPERLINE LIFELINES

- ⅝ in. (16 mm) diameter
- Breaking strength: 11,500 lbs. (51.2 kN)

G8058
- Bulk – Reels of 1,200 ft. (365 m)

GS—N*
- Nylon thimble only

GS—NK*
- ¾ in. (20 mm) snap hook

GS—NH*
- 2¼ in. (57 mm) snap hook

self-retracting lanyards

6 FT. (1.8 M) TRACPAC SELF-RETRACTING LANYARDS

- Lightweight
- Permanently attached to soft pack
- With ¾ in. (20 mm) self-locking snap hook at shock pack
- Available length: 6 ft. (1.8 m) only
- E4: Capacity of 100 to 254 lbs. (45 to 115 kg)
- E6: Capacity of 200 to 356 lbs. (90 to 160 kg)

C0506Z/E4 *(shown)*
- With ¾ in. (20 mm) self-locking snap hook at the arm
- E4 model

C0506Z/E6
- With ¾ in. (20 mm) self-locking snap hook at the arm
- E6 model

C0506Y/E4
- With 2½ in. (64 mm) aluminium self-locking snap hooks at each arm
- E4 model

C0506Z/E6
- With 2½ in. (64 mm) aluminium self-locking snap hooks at each arm
- E6 model

C0506Z/E4

7 FT. (2.1 M) TWO-ARM TRACPAC SELF-RETRACTING LANYARDS

- Lightweight
- Permanently attached to soft pack
- Two arms
- With ¾ in. (20 mm) self-locking snap hook at shock pack and 2½ in. (64 mm) self-locking snap hooks at each arm
- Available length: 7 ft. (2.1 m) only
- E4: Capacity of 100 to 254 lbs. (45 to 115 kg)
- E6: Capacity of 200 to 356 lbs. (90 to 160 kg)

C0527Y/1E4 *(shown)*
- E4 model

C0527Y/1E6
- E6 model

C0527Y/1E4

10 FT. (3 M) SELF-RETRACTING WEB LANYARD WITH COVER

RN9QK *(shown)*
- Autolocking carabiner
- Fall indicator fold
- ¾ in. (20 mm) self-locking snap hook

RN9QK

blocfor®

self-retracting lifelines

BENEFITS

- Patented system
- Integrated energy absorber
- Lower cost of ownership
- Leading edge capability
- Automatically eliminates rope slack

FEATURES

- Fiberglass filled casing for added durability
- Impact-indicating snap hook
- Rubber recoil bumper
- Corrosion-resistant components
- Isolated drum provides contaminate-free brake components

blocfor® B20

BLOCFOR® B20 WEB SELF-RETRACTING LIFELINE

RT20WC8	20 ft. (6 m)	Polyamide 6/ABS

BLOCFOR® AES SELF-RETRACTING LIFELINE WITH GALVANIZED STEEL WIRE ROPE

RA20G	20 ft. (6 m)	Polyamide 6/ABS
RA30G	30 ft. (9 m)	Polyamide 6/ABS

blocfor® AES

BLOCFOR® AES SELF-RETRACTING LIFELINE WITH STAINLESS STEEL WIRE ROPE

RA20S	20 ft. (6 m)	Polyamide 6/ABS
RA30S	30 ft. (9 m)	Polyamide 6/ABS

BLOCFOR® AES SELF-RETRACTING LIFELINE WITH SYNTHETIC ROPE

RA30R	30 ft. (9 m)	Polyamide 6/ABS

BLOCFOR® AES LEADING EDGE SELF-RETRACTING LIFELINE WITH GALVANIZED STEEL WIRE ROPE

RA30G/LE	30 ft. (9 m)	Polyamide 6/ABS

blocfor® AES Leading Edge

CSA requires inspection, maintenance and recertification annually, regardless of usage.

blocfor®

self-retracting lifelines

FEATURES

- Sleek and durable housings
- Integrated carrying handles on some models
- Lightweight
- Easy to handle
- Synchronized twin inertia-braking pawls
- Constant triggering speed regardless of position
- Isolated spring and braking mechanism made of anti-corrosive and anti-sparking materials
- Impact-indicating snap hook
- Rubber recoil bumper
- Tamper proof connector assembly including carabiner
- Leading edge capability on certain models

50 ft. models

75 and 100 ft. models

BLOCFOR® SELF-RETRACTING LIFELINE WITH GALVANIZED STEEL WIRE ROPE

RT50G	50 ft. (15 m)	Polyamide 6/ABS
RT75G	75 ft. (23 m)	Cast aluminium
RT100G	100 ft. (30 m)	Cast aluminium

BLOCFOR® LEADING EDGE SELF-RETRACTING LIFELINE WITH GALVANIZED STEEL WIRE ROPE

RT50G/LE	50 ft. (15 m)	Polyamide 6/ABS

BLOCFOR® SELF-RETRACTING LIFELINE WITH STAINLESS STEEL WIRE ROPE

RT50S	50 ft. (15 m)	Polyamide 6/ABS
RT75S	75 ft. (23 m)	Cast aluminium
RT100S	100 ft. (30 m)	Cast aluminium

BLOCFOR® SELF-RETRACTING LIFELINE WITH SYNTHETIC ROPE

RT50R	50 ft. (15 m)	Polyamide 6/ABS
RT100R	100 ft. (30 m)	Cast aluminium

OPTIONAL UPPER SWIVEL ATTACHMENT

Add “/SW” to the end of the product code

Optional swivel

CSA requires inspection, maintenance and recertification annually, regardless of usage.

See also:

bi-directional retrieval lifelines p. 118

derope®

emergency escape/controlled descent devices

FEATURES

- Easy to use, minimum training required
- Enables the evacuation of one or two persons from an elevated position to a lower level or the ground
- Automatically controls rate of descent
- Constant descent speed of 235 fpm (72 m/min) for one person and of 295 fpm (90 m/min) for two
- Up to 1,300 ft. (400 m) of descent for one person and up to 650 ft. (200 m) of descent for two
- Multi-person rescue capability
- Snap hooks located at each end of the rope allow for multiple evacuations
- Operation can be carried out down a cableway or tagline positioned at an angle between 30° and 60°
- Available with hand crank winch for limited lifting
- Dual descent pig tails
- Intergraded jamming cleat that gives the user more control during a rescue
- External cooling fins ensure that the unit is rapidly ready for consecutive descents
- Utilizes ⅜ in. (9 mm) Kernmantle rope
- Meets ANSI Z359.4-07 and CSA Z259.2.3, type 1E

DEROPE® T DESCENT DEVICE SYSTEMS

Standard derope® allows a back and forth evacuation upwards as downwards.

- derope® T descent device unit
- 6 ft. (1.8 m) vinyl covered wire rope sling (V4173)
- ¾ in. (20 mm) carbon steel autolocking carabiner (PM11Z)
- J-knife (KSOS)
- Rescue/rope bag (XB23144 or XB26168)

KT7200/TK	200 ft. (60 m) derope® rescue system
KT7300/TK	300 ft. (91 m) derope® rescue system
KT7400/TK	400 ft. (121 m) derope® rescue system
KT7500/TK	500 ft. (152 m) derope® rescue system
KT7600/TK	600 ft. (182 m) derope® rescue system

DEROPE® UP A DESCENT DEVICE SYSTEMS

Incorporates a hand wheel winch mounted on to the base unit which allows the derope® descent device to be used as a lifting device. With a lift ratio of roughly 2:1, the winch is capable of lifting a victim in order to release it from its fall protection sub-system.

- derope® Up A descent device unit
- 6 ft. (1.8 m) vinyl covered wire rope sling (V4173)
- ¾ in. (20 mm) carbon steel autolocking carabiner (PM11Z)
- J-knife (KSOS)
- Rescue/rope bag (XB23144 or XB26168)

KT7200/AK	200 ft. (60 m) derope® rescue system
KT7300/AK	300 ft. (91 m) derope® rescue system
KT7400/AK	400 ft. (121 m) derope® rescue system

derope® T

derope® up A

derope®

emergency escape/controlled descent devices

LADDER DEROPE® UP E DESCENT DEVICE SYSTEMS

Equipped with a wheel winch and a ladder bracket that can be secured on ladder rungs for more stability during rescue operations.

DEROPE® UP E DESCENT DEVICE WK SYSTEMS

- derope® Up E descent device with mounted ladder adapter
- Adjustable lanyard including two ¾ in. (20 mm) carbon steel autolocking carabiners (D58U98)
- Edge roller (K072586K)
- Rescue bag (XB26168)

KT7300/WK	300 ft. (91 m) derope® rescue system
KT7330/WK	330 ft. (100 m) derope® rescue system

DEROPE® UP E DESCENT DEVICE WKE SYSTEMS

- derope® Up E descent device with mounted ladder adapter
- Adjustable lanyard including two ¾ in. (20 mm) carbon steel autolocking carabiners (D58U98)
- Edge roller (K072586K)
- Rescue bag (XB26168)
- \+ T-bar (K5TBAR/K)
- \+ stopfor® A rope grab (WA58)

KT7300/WKE	300 ft. (91 m) derope® rescue system
KT7330/WKE	330 ft. (100 m) derope® rescue system

derope® up E

HARD-SHELL CASE

- Heavy-duty carrying case
- Properly stores unit

XC1600-NF	Hard-shell case

TRIPOD DEROPE® UP R DESCENT DEVICE SYSTEMS

Equipped with a wheel winch and a tripod bracket that can be secured on a tripod leg to perform rescue operations in confined space environments.

KT7050/R	50 ft. (15 m) derope® rescue system
KT7100/R	100 ft. (30 m) derope® rescue system

derope® up R

BRACKET FOR TRIPOD DEROPE® UP R DESCENT DEVICE SYSTEMS

Secures derope® on a tripod's leg to perform rescue operations in confined space environments.

7987428	Bracket

To calculate rope length required

- Evacuation: descent height x 1
- Controled rescue: descent height x 2

control descent device

D4 DESCENDER

Controlled-descent device with safety descent lever containing dual brake mechanism for accidental release or panic grab.

K6013572
- Standard: EN 340, class A (exceeds CSA Z259.2.3-99 and ANSI Z359.3-06
- Rope diameter: 7⁄16 in. (11 mm) Kernmantle rope
- Hinged side plate to facilitate rigging
- Aluminium alloy sheaves
- Stainless steel side plates

D4 DESCENDER KITS

- D4 descender (K6013572)
- Rope assembly
- 6 ft. (1 m) endless sling (V41326)
- Carabiner (PM11Z)
- Carrying bag

KIT-D430
- 30 ft. (9.1 m)

KIT-D450
- 50 ft. (15.2 m)

KIT-D475
- 75 ft. (22.8 m)

KIT-D4100
- 100 ft. (30.4 m)

ascent/descent systems

ASCENT/DESCENT SYSTEMS

Designed for controlled descent, work access and rescue for general industry, maintenance and confined space applications.
- Manually operated, raising and lowering
- Requires 10 lbs. (4.5 kg) of force to hold a 220 lbs. (100 kg) load
- 4:1 mechanical advantage
- Anti-reversing lock, activates in descent mode
- Positioning ascender
- 7⁄16 in. (11 mm) diameter Kernmantle rope
- Optional ½ in. (13 mm) diameter Kernmantle rope available
- Travel/storage bag

K50S25
- 25 ft. (7.6 m) system

K50S50
- 50 ft. (15 m) system

K50S75
- 75 ft. (23 m) system

K50S100
- 100 ft. (30 m) system

LEFT AND RIGHT HAND ASCENDERS

For rope ascension or specialty rigging applications used within rope access and rescue practices.
- Standard: EN 567 (Mountaineering equipment)
- Rope diameter: ⅜ to ½ in. (9 to 12 mm)
- Aluminium alloy
- Breaking strength: 3,375 lbs. (15 kN)

K3020492
- Right ascender handle

K3020502
- Left ascender handle

accessories

for rescue and control descent

ROPE ACCESS WEB LANYARD

CL02Z

- 2 ft. (0.6 m) lanyard
- ¾ in. (20 mm) steel self-locking snap hooks

SUSPENSION LOOP

K6FL6A

- For post-fall suspension

BAGS

XB23144

- Medium size for less than 300 ft. (91 m) of rope

XB26168

- Large size for more than 300 ft. (91 m) of rope

EDGE ROLLER

Edge protection for use on industrial structures.

K072586K

- Aluminium alloy

VICTIM TRANSFER PULLEY

K9TRPS

- Two carabiners
- 4:1 mechanical advantage
- Storage bag

XB2410

- Storage bag for victim transfer pulley

CLIMBING HELMET

K3A16

- Thermoformed plastic

J-KNIFE

KSOS

- Hook blade for cutting webbing during rescue

T-BAR HANDLE

To lift lanyard during rescue.

K5TBAR/K

- With attached carabiner (PM11Z)

RESCUE CRADLE

Designed for evacuations with controlled descent devices. Shoulder straps for controlled donning.

K5HT9

- For one person
- One size fits most

DAISY CHAIN

Use with rope ascending devices, industrial rope access techniques or vertical rescue applications.

K8DC01

- 68½ in. (1.75 m) long


CL02Z


K6FL6A


XB26168


XB23144


K9TRPS


K072586K


XB2410


K3A16


KSOS


K5TBAR/K


K5HT9


K8DC01

wind products

harnesses

AU7132/X *(shown)*

- Auto-lock buckles
- TracX pad
- Side-positioning D-rings
- Sternal D-ring
- Fixed chest strap
- Dorsal D-ring
- Sizes: small, one size, X-large and XX-large

AU7132/XT

▲ Same as AT7132/X
\+ Leg pads

AU7132/X

AU7112/X *(shown)*

- Auto-lock buckles
- TracX pad
- Side-positioning D-rings
- Sternal D-ring
- Frontal attachment D-rings
- Fixed chest strap
- Dorsal D-ring
- Sizes: small, one size, X-large and XX-large

AU7112/XT

▲ Same as AT7112/X
\+ Leg pads

AU7112/X

Fall arrest CSA group A | Suspension/Descent CSA group D | Retrieval CSA group E | Ladder climbing CSA group L | Positioning CSA Group P | Restraint

See also:

derope® emergency escape/ controlled descent devices p. 110

wind products
lanyards

All lanyards listed below are 6 ft. (1.8 m) and have a ¾ in. (20 mm) self-locking snap hook at shock pack end.

TRACPAC RESCUE LANYARD WITH DUAL SHOCK ABSORBER

- Available length: 6 ft. (1.8 m) only.

One arm	
CA126H/RE4	two arms with 2¼ in. (57 mm) self-locking snap hooks

TRACPAC RESCUE LANYARD WITH DUAL SHOCK ABSORBER

- Extendible from 4½ to 6 ft. (1.4 to 1.8 m)
- Available length: stretchable from 4½ to 6 ft. (1.4 to 1.8 m) only.

Two arms	
CA226H/RE4	two arms with 2¼ in. (57 mm) self-locking snap hooks
CA226C6/RE4	with 2 in. (50 mm) aluminium pear shape self-locking snap hook

STRETCHFOR RESCUE SHOCK-ABSORBING LANYARDS

- With rescue ring
- Available length: stretchable from 4½ to 6 ft. (1.4 to 1.8 m) only.

Two arms	
C526H/RE4	two arms with 2¼ in. (57 mm) self-locking snap hooks


CA226C6/RE4


C526H/RE4

confined space systems

Accessing confined spaces involves a number of life-threatening hazards. These may include the possibility of a fall or the occurrence of being overcome by fumes or gases. Tractel® 's confined-space access and rescue systems are designed to provide a safe means of accessing a confined space area. In an emergency, confined-space systems allow the rescuers to retrieve the injured or unconscious workers without exposing themselves to similar potential hazards.

T51F50G

T52F50G

		TRIPOD	BI-DIRECTIONAL RETRIEVAL		WINCH		RETRACTABLE LIFELINE	
MODEL	DESCRIPTION	T3S7	T1T50G	T1T100G	T2S50G	T2S100G	RT50G	RT100G
T51F50G	Confined space system One – 50 ft. (15 m)	■	■					
T51F100G	Confined space system One – 100 ft. (30 m)	■		■				
T52F50G	Confined space system Two – 50 ft. (15 m)	■	■		■			
T52F100G	Confined space system Two – 100 ft. (30 m)	■		■		■		
T53F50G	Confined space system Three – 50 ft. (15 m)	■			■		■	
T53F100G	Confined space system Three – 100 ft. (30 m)	■				■		■

All the above systems include required head pulleys, mounting brackets and carrying bags.

accessories and equipment

for confined space systems

SPREADER BAR

T9YL2Z
- Web 2 ft. (0.6 m)


T9YL2Z

WORK WINCHES

- Galvanized steel wire rope lengths of 50, 100 or 200 ft. (15, 30 or 60 m)
- Tripod mounting bracket included

T2S50G
- 50 ft. (15 m) work winch

T2S100G
- 100 ft. (30 m) work winch

T2S200G
- 200 ft. (60 m) work winch

Work winch must be used with a backup fall-arrest system.


T2S100G

LEG-MOUNTING BRACKETS

T90B4
- For blocfor® retrieval lifeline

T90B5
- Tripod leg-mounting bracket included with tripod


T90B4

T90B5

STEEL HEAD PULLEY

- Easy to install
- Pulley with sealed ball bearing
- Pulley supplied with carabiner

K3040102
- Steel head pulley

PM11Z
- ¾ in. (20 mm) alloy steel carabiner


K3040102

accessories and equipment
for confined space systems

BLOCFOR® BI-DIRECTIONAL RETRIEVAL LIFELINES

While the retracting capability of the unit provides freedom of movement and fall protection, the device can be easily converted to a recovery device to rescue an injured or unconscious worker.

MODEL	LENGTH	CASING
With galvanized steel wire rope		
T1T50G	50 ft. (15 m)	Polyamide 6/ABS
T1T100G	100 ft. (30 m)	Cast aluminium
With stainless steel wire rope		
T1T50S	50 ft. (15 m)	Polyamide 6/ABS
T1T100S	100 ft. (30 m)	Cast aluminium


T1T50G

tripods

STANDARD TRIPODS

- Telescopic aluminium tripod
- Minimum breaking strength: 5,000 lbs. (22.2 kN)
- Two forged steel anchor eyes
- Includes leg-mounting bracket (T90B5)

T3F7 *(shown)*
- 7 ft. (2.1 m) tripod

T3F9
- 9 ft. (2.7 m) tripod


T3F7

CARRYING BAG FOR TRIPOD

XB15105
- For up to 10 ft. (3 m) tripod
- 105 x 15 x 15 in. (267 x 38 x 38 cm)


XB15105

rescue and rope access

S PULLEY (FIXED SIDE PLATES)

Technical rigging applications for light to medium loads and personnel. Ideal use within arboricultural climbing systems or guided descent evacuation.

K3040162

- Single sheave: 1 1/16 in. (27 mm)
- Breaking strength: 4,500 lbs. (20 kN) direct
- Dimension: 3 3/16 x 2 1/8 in. (81 x 55 mm)
- Rope diameter: 3/8 to 1/2 in. (9 to 13 mm)
- Aluminium alloy
- Standard: EN 12278 (Mountaineering equipment)

S PULLEY (ROTATING SIDE PLATES)

Technical rigging applications for light to medium loads and personnel.

K3040172

- Single sheave: 1 1/16 in. (27 mm)
- Rotating side plates (inline positioning)
- Breaking strength: 4,500 lbs. (20 kN) direct
- Dimension: 3 3/16 x 2 1/8 in. (81 x 55 mm)
- Rope diameter: 3/8 to 1/2 in. (9 to 13 mm)
- Aluminium alloy
- Standard: EN 12278 (Mountaineering equipment)

M PULLEY (ROTATING SIDE PLATES)

Technical rigging applications for light to medium loads and personnel.

K3040102

- Single sheave: 2 5/16 in. (59 mm)
- Rotating side plates (inline positioning)
- Breaking strength: 6,300 lbs. (28 kN) direct
- Dimension: 4 11/16 x 3 3/16 in. (119 x 82 mm)
- Rope diameter: 5/16 to 5/8 in. (8.4 to 16 mm)
- Aluminium alloy
- Standard: EN 12278 (Mountaineering equipment)

DOUBLE PULLEY (ROTATING SIDE PLATES)

Technical short hoist pulley systems for medium loads and personnel.

K3040112

- Rotating side plates (inline positioning)
- Breaking strength: 5,400 lbs. (24 kN) direct
- Dimension: 5 5/8 x 3 3/16 in. (144 x 82 mm)
- Rope diameter: 5/16 to 5/8 in. (8.4 to 16 mm)
- Aluminium alloy
- Standard: EN 12278 (Mountaineering equipment)

IN-LINE DOUBLE PULLEY

For guided descent or tyrolean traverse systems.

K3040092

- Single sheave x 2: 2 5/16 in. (59 mm)
- Breaking strength: 6,750 lbs. (30 kN) direct
- Dimension: 4 7/16 x 3 3/8 in. (113 x 86 mm)
- Rope diameter: 5/16 to 1/2 in. (8.4 to 13 mm)
- Aluminium alloy
- Standard: EN 12278 (Mountaineering equipment)

RIGGING PLATE

Suitable for most rigging applications.

K3020512

- Aluminium alloy
- Breaking strength: 6,750 lbs. (30 kN) direct
- Dimension: 7 7/8 x 5 7/16 in. (200 x 150 mm)
- Rope diameter: 5/16 to 1/2 in. (8.4 to 12 mm)
- Standard: EN 759 B (Anchorage device)

STERNAL ASCENT LOCKING DEVICE

For rope ascension within rope access, caving, or other specialty arenas of ascending fixed lines.

K3017632

- Rope diameter: 3/8 to 1/2 in. (9 to 13 mm)
- Aluminium alloy
- Breaking strength: 3,375 lbs. (15 kN)
- Standard: EN 567 (Mountaineering equipment)

tempo III

temporary horizontal kernmantle lifeline

The Tempo III temporary horizontal lifeline was designed to be used by a maximum of three persons. It provides a simple and lightweight solution to temporary horizontal fall-arrest applications. It can be adjusted from 3 to 60 ft. (1 to 18 m).

BENEFITS

- Kernmantle rope of ½ in. (12.5 mm) which can be adjusted from 3 to 60 ft. (1 to 18 m) between two anchorage points.
- Allows safe access to horizontal locations.
- Compact, light and easy to carry with storage bag.

FEATURES

- Tempo III rope adjuster with integral carabiner
- 60 ft. (18 m) of ½ in. (12.5 mm) Kernmantle rope
- Two 6 ft. endless slings (V41326)
- One carabiner (PM11Z)
- Three travel O-rings (47700)
- Storage bag (XB0820)

H66500

- Tempo III rope adjuster with integral carabiner

stanchion

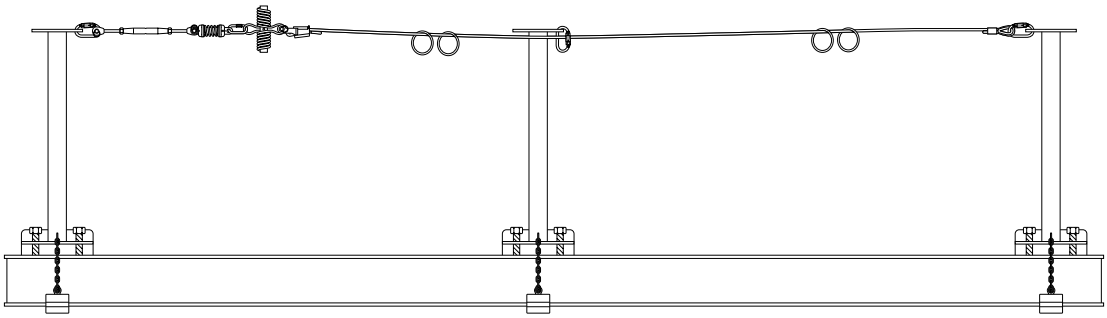
temporary post

FEATURES

- Lightweight and portable
- Installs quickly
- Can be used on perimeter of building
- Two-person tie off, up to 60 ft. (18.3 m)
- Mounts at a 19° angle from the base, out of the way of workers walking steel
- Attaches to beam with top mounted bolts and safety chain
- No drilling or welding
- No web straps to deteriorate
- No ratchets to break or threaded rods to lose
- No tie-back cables or loose pieces
- Can be used as intermediate or end stanchion

H8100

- Single stanchion



TRAVSPRING® TEMPORARY KITS FOR STANCHION POSTS *(shown)*

- Connectors (PM11Z)
- Turnbuckle tensioner
- Tension indicator
- INRS energy absorber
- Wedge socket
- O-rings
- Wire rope

HK-SPG2-60	60 ft. (18 m) system
HK-SPG2-100	100 ft. (30 m) system
HK-SPG2-150	150 ft. (45 m) system
HK-SPG2-200	200 ft. (60 m) system
HK-SPG2-250	250 ft. (75 m) system
HK-SPG2-300	300 ft. (90 m) system

See components' details on page 125.

TRAVSMART KITS FOR STANCHION POSTS

System for up to two users

- Cable assembly
- One INRS energy absorber
- Tension indicator
- Turnbuckle

HK-SMG2-100	100 ft. (30 m) system with 1 intermediate anchor
HK-SMG2-150	150 ft. (45 m) system with 2 intermediate anchors
HK-SMG2-200	200 ft. (60 m) system with 3 intermediate anchors
HK-SMG2-250	250 ft. (75 m) system with 4 intermediate anchors
HK-SMG2-300	300 ft. (90 m) system with 5 intermediate anchors

See components' details on pages 123.
** Travsmart traveler and carabiner available separately.*

The number of stanchion posts varies according to length of the system and must be purchased separately.

travsmart

permanent horizontal lifeline system

The Travsmart single line system provides a smooth travel. It allows the traveler to move freely over the intermediate anchors, minimizing wear and eliminating user assistance. The user's hands remain free to accomplish whatever task is required.

The Travsmart is a permanent horizontal lifeline system that is easy to install and can allow up to five users. It is a hands free system that does not require special training or tools. The system comes with a visual tension indicator and a new in-line energy absorber.

Travsmart shall be designed by a qualified person, professional engineer, as part of a complete personal fall arrest system. It can then be installed by any user.

BENEFITS

- Permanently installed
- The system length is unlimited and can go around corners
- Maximum spacing between anchor points is 50 ft. (15 m)

FEATURES

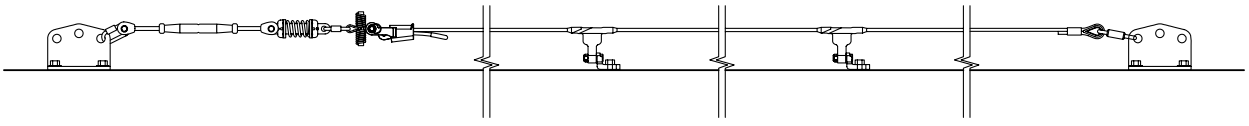
- The Travsmart traveler ensures smooth hands free travel over anchors and around corners
- The system can be secured to walls, overhead, under an inclined surface, on ground and on posts
- Comes with a tension indicator and tensioner
- Lightweight components
- Can be used for fall arrest or fall restraint

APPLICATIONS

- Building maintenance (rooftops without guardrails or parapets)
- Aircraft hangers (overhead systems to service the top of the fuselage and wings)
- Bridges and viaducts
- Oil and gas installations
- Distribution facilities
- Overhead cranes
- Industrial plants

TRAVSMART KITS

- Stainless steel cable assembly
- INRS energy absorber(s)
- Tension indicator
- Turnbuckle
- Two end anchors

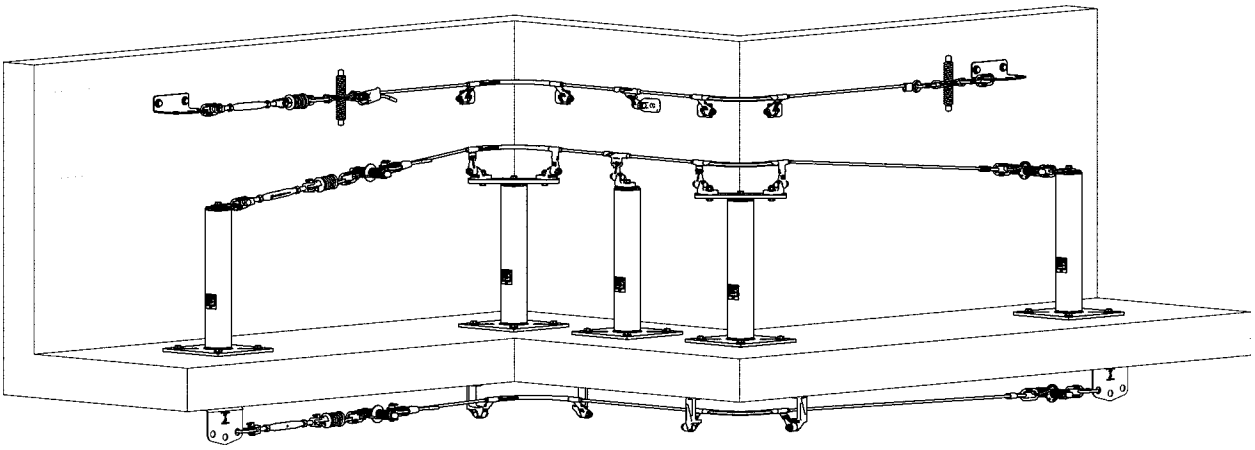


Up to 3 users	
JK-SMSEA3-100	100 ft. (30 m), 1 intermediate anchor
JK-SMSEA3-150	150 ft. (45 m), 2 intermediate anchors
JK-SMSEA3-200	200 ft. (60 m), 3 intermediate anchors
JK-SMSEA3-250	250 ft. (75 m), 4 intermediate anchors
JK-SMSEA3-300	300 ft. (90 m), 5 intermediate anchors

Up to 5 users	
JK-SMSEA5-100	100 ft. (30 m), 1 intermediate anchor
JK-SMSEA5-150	150 ft. (45 m), 2 intermediate anchors
JK-SMSEA5-200	200 ft. (60 m), 3 intermediate anchors
JK-SMSEA5-250	250 ft. (75 m), 4 intermediate anchors
JK-SMSEA5-300	300 ft. (90 m), 5 intermediate anchors

travsmart

permanent horizontal lifeline system



END ANCHOR
J3193897
- Stainless steel
- 6.7 x 5 x 2.2 in. (170 x 126 x 55 mm)

TURNBUCKLE
J3640742
- Stainless steel

TENSION INDICATOR
J3666858
- Stainless steel

ENERGY ABSORBER
J3666688
- Supplied with quick link
- Stainless steel

STANDARD INTERMEDIATE ANCHOR
J30193847
- For installation on ground, on wall and on post
- Cupro aluminium and stainless steel

UNDER-CEILING INTERMEDIATE ANCHOR
J30193857
- For installation underside
- Cupro aluminium and stainless steel

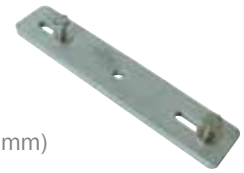
END PLATE
J3066698
- Stainless steel
- 4 in. (100 mm) long
- Two holes for ½ in. (12 mm) fasteners

WEDGE SOCKET
J30193837
- Cupro aluminium and stainless steel

STANDARD CORNER KIT
J3193867
- For installation on ground, on wall and on post
- Cupro aluminium and stainless steel

UNDER-CEILING CORNER KIT
J3193877
- For installation underside
- Cupro aluminium and stainless steel

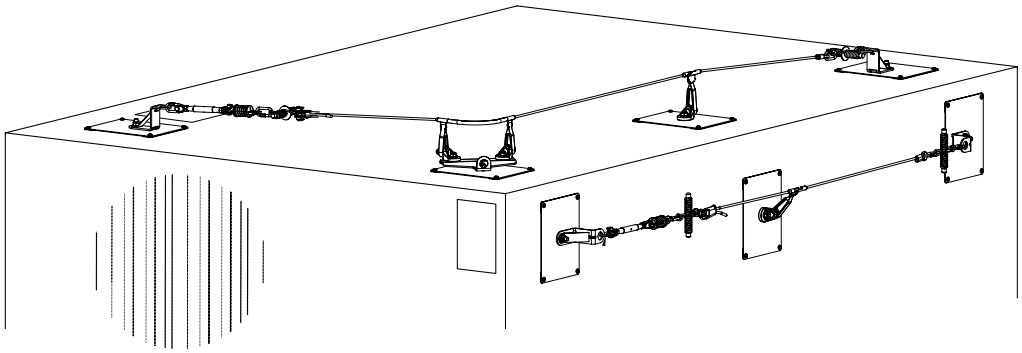
CORNER PLATE
J3066878
- Stainless steel
- 11 in. (280 mm) long
- Three holes for 1⁄2 in. (12 mm) fasteners



TRAVELER
J30251349
- Opening-type mobile anchor point which slides on the Travsmart lifeline cable.

travflex® 2

permanent single-cable HLL system for light rooftop structures



The travflex® 2 is easy to install, service and maintain as there are no special tools required. The travflex® 2 makes working on roofs safe and protects the structure's roof even when a fall occurs.

Simply the safest and easiest horizontal lifeline system you can get for light-roof structures.

BENEFITS

- Installation on rooftops and walls
- Ideal for light roof structures. Roof panels do not distort after stopping a fall.
- Hands-free design with better ergonomics
- Traveler passes over intermediate and corner anchors with no manual manipulation
- User can work on either side of lifeline
- Eliminates risk of wire-cable clips loosening and slipping
- End and corner anchors have additional anchor points
- No need to dismantle the entire lifeline in the event of a fall, individual components can be replaced.

FEATURES

- The travflex® 2 traveler ensures smooth hands free travel over anchors and around corners
- The system can be secured to flat roofs, sloped roofs and walls
- Comes with a tension indicator and tensioner
- Lightweight components
- Can be used for fall arrest or fall restraint

APPLICATIONS

- Building maintenance, inspection, repair and service
- Industrial plants
- Lightweight structures
- Flat or sloped surfaces up to 15° inclination (only straight-line installation is available for wall-mount applications).
- Fall arrest or travel restraint

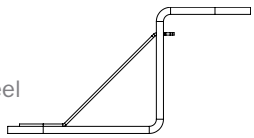
END ANCHOR

J30100378

- Galvanized steel

J30100388

- Stainless steel



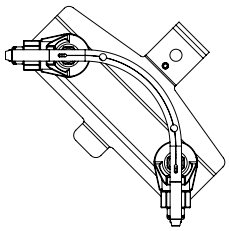
ENERGY ABSORBER

J3666688

- Supplied with quick link
- Stainless steel

CORNER KITS

- Available in galvanized or stainless steel
- Available for metal roof panel or rigid structures



TURNBUCKLE

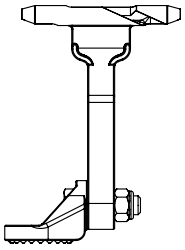
J3640742

- Stainless steel

INTERMEDIATE SUPPORT

J100398

- One every 50 ft. (15 m) apart
- Aluminium-bronze (anchor) and stainless steel (hardware)



CABLE

J370090000

- 5⁄16 in. (8.4 mm) diameter
- Galvanized

J370090000S

- 5⁄16 in. (8.4 mm) diameter
- Stainless steel

TENSION INDICATOR

J3666858

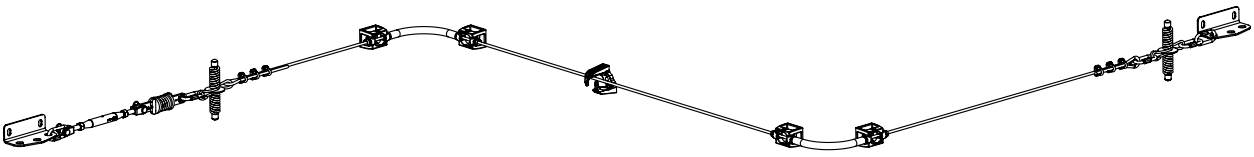
- Stainless steel

WEDGE SOCKET

J30193837

- Cupro aluminium and stainless steel

travspring®
horizontal lifeline system



The travspring® horizontal lifeline provides an economical solution to your fall protection needs. All components can be installed using common tools and the system can be used both in a temporary environment or can be installed permanently. The travspring® is a proximity system meaning that the user must manipulate the lanyard to traverse through anchor points.

travspring® shall be designed by a qualified person, professional engineer, as part of a complete personal fall arrest system. It can then be installed by any user.

FEATURES
- Intermediate anchors every 50 ft. (15 m)
- Easy to install, no special tools required
- Visible in-line tension indicator
- Single line wire rope available in stainless steel (optional galvanized wire rope)
- Unlimited system length
- Meets all OSHA, ANSI and CSA standards

APPLICATIONS
- Roof tops without guard rails or high parapets
- Bridges and viaducts
- Overhead cranes
- Construction sites without parapets

TRAVSPRING® KITS
- Connectors (PM11Z)
- Turnbuckle tensioner
- Tension indicator
- INRS energy absorber
- Wedge socket
- O-rings
- Wire rope

JK-SPSEA3-100	100 ft. (30 m), 1 intermediate anchor
JK-SPSEA3-150	150 ft. (45 m), 2 intermediate anchors
JK-SPSEA3-200	200 ft. (60 m), 3 intermediate anchors
JK-SPSEA3-250	250 ft. (75 m), 4 intermediate anchors
JK-SPSEA3-300	300 ft. (90 m), 5 intermediate anchors

The number of stanchion posts varies according to lenght of the system and must be purchased separately.

END ANCHOR
J3666848
- Stainless steel

TENSION INDICATOR
J3666858
- Stainless steel

ENERGY ABSORBER
J3666688
- Supplied with quick link
- Stainless steel

TURNBUCKLE
J3640742
- Stainless steel

INTERMEDIATE SUPPORT
J3666868
- One every 50 ft. (15 m) apart
- Stainless steel

WEDGE SOCKET
J30193837
- Cupro aluminium and stainless steel

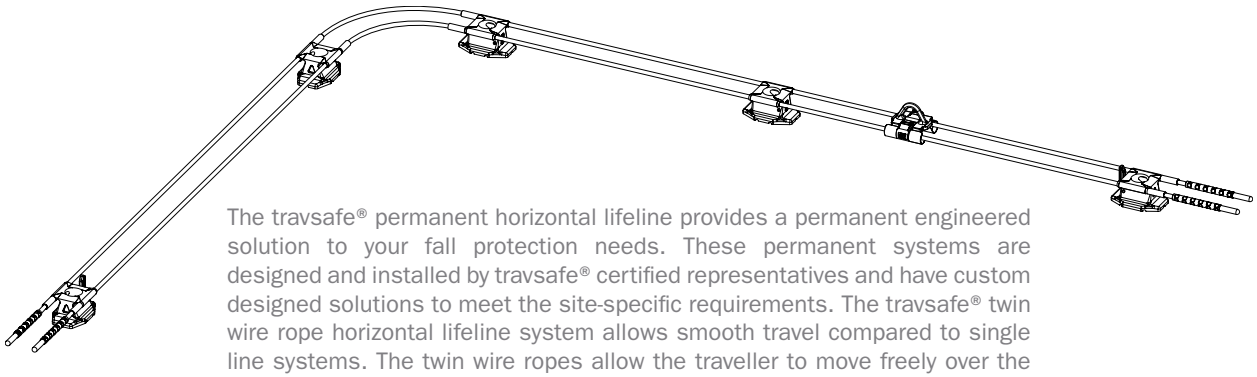
CORNER KIT
J3666878
- Includes two turning point anchors and a guide tube
- Stainless steel

CABLE
J370090000
- 5⁄16 in. (8.4 mm) diameter
- Galvanized

J370090000S
- 5⁄16 in. (8.4 mm) diameter
- Stainless steel

travsafe®

permanent horizontal lifeline system



The travsafe® permanent horizontal lifeline provides a permanent engineered solution to your fall protection needs. These permanent systems are designed and installed by travsafe® certified representatives and have custom designed solutions to meet the site-specific requirements. The travsafe® twin wire rope horizontal lifeline system allows smooth travel compared to single line systems. The twin wire ropes allow the traveller to move freely over the intermediate anchors, minimizing wear and eliminating user resistance. The user's hands remain free to perform their work task. When properly designed and installed, the system meets all OSHA, ANSI and CSA requirements.

travsafe® is an engineered system that requires design and installation by Tractel® certified installers. It shall be designed, installed and used under the supervision of a qualified person, professional engineer, as part of a complete personal fall arrest system.

FEATURES

- Intermediate anchors every 50 ft. (15 m)
- Ease of travel over anchors
- Wire ropes available in stainless or galvanized steel
- Traveller's jaws close tightly around the lines if a fall occurs
- Unlimited system length
- When using the Rollsafe traveller can accomodate up to a 50 ft. (15 m) self-retracting lifeline in an overhead application
- Meets all OSHA, ANSI and CSA standards

APPLICATIONS

- Roof tops without guardrails or high parapets
- Aircraft hangers to allow airplane service
- Bridges and viaducts
- Overhead cranes
- Catwalks without sides
- Arena rafters

STAINLESS STEEL ANCHORS

End anchor

Intermediate anchor

TRAVELLERS

The travellers have minimal moving parts and are made out of stainless steel. They move effortlessly over the anchors and around corners. The Regular traveller fits onto the system at the end anchors. The Removable traveller can be installed at any point along the sytem. The Rollsafe traveller is used in overhead applications.

Regular

Removable

Rollsafe

tirsafe®

temporary horizontal lifeline systems

The tirsafe® device adds new energy-absorbing technology to any Horizontal Lifeline System (HLL). With the unit's unique features, it allows for quicker and more reliable installations while at the same time provides the industries first fully re-usable HLL energy absorber.

The system is designed to accommodate up to three workers to travel along a 65 ft. (20 m) single span or up to 300 ft. (90 m) multi-spans and reduces line deflection to approximately seven feet.

Upon impact force, the tirsafe® device is simply sent back to an authorized service center, similar to self-retracting lifelines, for repairs and re-certification. The tirsafe® HLL energy absorber is simply the easiest, most reliable and cost-effective system on the market today.

Tension indicator

Impact indicator

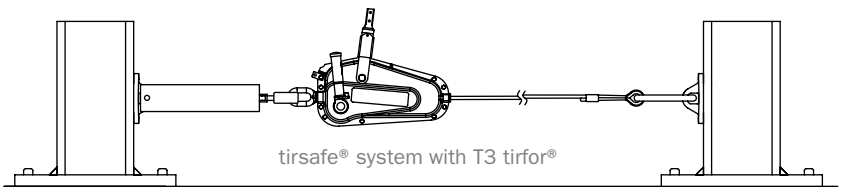
FEATURES

- Built-in tension indicator
- Impact indicator
- Re-settable by authorized service center
- Three users per single span
- Single spans up to 65 ft. (20 m)
- Multi spans up to 300 ft. (90 m)
- Minimal line deflection
- Lightweight and quick installation
- Sold separately or as complete system

MODEL	LENGTH	TIRSAFE® UNIT	TURNBUCKLE	T3 TIRFOR®
H088159	Unit only	■		
H365001	65 ft. (20 m)	■	■	
H310001	100 ft. (30 m)	■	■	
H41001	100 ft. (30 m)	■		■
H41501	150 ft. (45 m)	■		■
H42001	200 ft. (60 m)	■		■
H43001	300 ft. (90 m)	■		■

T3 TIRFOR®

The T3 tirfor® unit is a continuous locking jaw tensioning device. Used along with the tirsafe® horizontal lifeline system, it provides a fast and easy method for tensioning any horizontal lifeline. The unit is sold separately or as part of a complete tirsafe® system and makes installing and moving horizontal systems quick and effortless.



tirsafe® system with T3 tirfor®

dynaplug® HF 44

structural anchoring strength measuring tool

The dynaplug® is a electronic sensor used for static rupture resistance test of structural anchors and anchoring devices. Used in the testing of anchor points of safety lifelines.

FEATURES

- Acuracy: <1% of nominal capacity
- Operating temperature from -4 to 140°F (-20 to 60°C)
- Power supply: three 1.5 V “AA” batteries
- Delivered with a set of casings compatible with the most current anchors (Ø10, Ø12, Ø14 and Ø16 mm) and a cover adapted to the Tractel® anchors points. Other casings on request.
- Automatic sequence of 15 seconds test to 1,000 lbs. (500 kg)
- Automatic sequence of 3 minutes test to 2,000 lbs. (1,000 kg)

	WORKING LOAD LIMIT	WEIGHT
HF 44/2	5,000 lbs. (2,500 kg)	11.5 lbs. (5.2 kg)
HF 44/3	10,000 lbs. (5,000 kg)	25.4 lbs. (11.5 kg)

height safety / anchorage and safety ladder systems / anchor testers

dynaline HF 37

lifeline tension dynamometer

The Dynaline HF 37/1/B is an electronic apparatus designed to indicate tension on lifeline cables.

FEATURES

- Accuracy: ±2% of nominal capacity
- Capacity range from 100 to 1,200 lbs. (50 to 600 kg)
- Operating temperature from 23°F to 122°F (-5°C to 50°C)
- Power supply: three 1.5 V “AA” batteries, up to 200 hours
- Protection: IP 65 (NEMA 4)

	WORKING LOAD LIMIT	WIRE ROPE Ø	MINIMUM DISPLAY	INCREMENT	WEIGHT
HF 37/1/B	100–1,200 lbs. (50–600 kg)	5⁄16–½ in. (8.4–12 mm)	100 lbs. (50 kg)	2 lbs. (1 kg)	4.9 lbs. (2.2 kg)

tie-back anchors

U-BAR ROOF-MOUNTED ANCHOR

The standard U-bar safety tie-back anchors are the economical solution for securing safety lifelines or equipment lines for fall protection and suspended work.

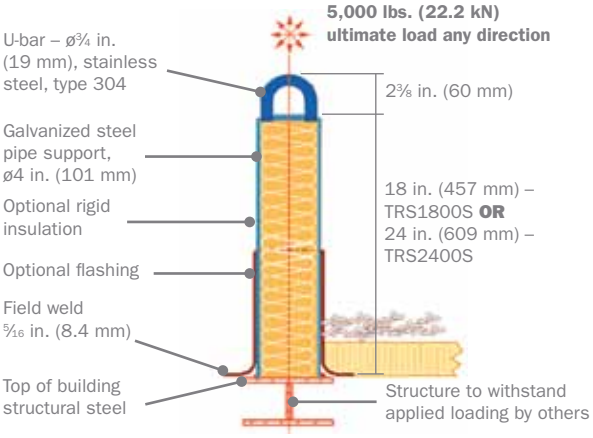
WALL-MOUNTED ANCHOR

When tie-back are required on roofs where waterproofing or flashing is not an option, Tractel®'s wall-mounted U-bar tie-back anchors provide a simple, inexpensive solution.

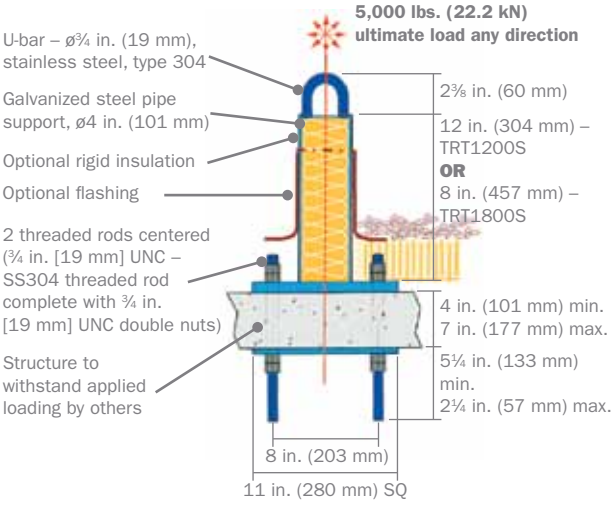
FLUSH-MOUNTED ROOF ANCHOR

An ideal solution when no protrusions on the roof are permissible.

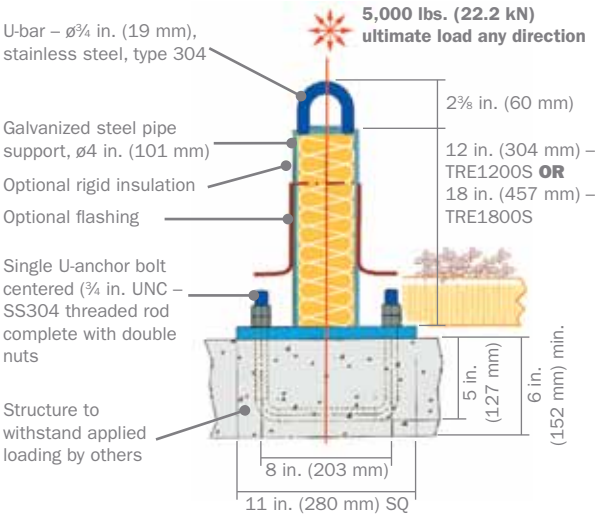
TRS1800S AND TRS2400S MODELS



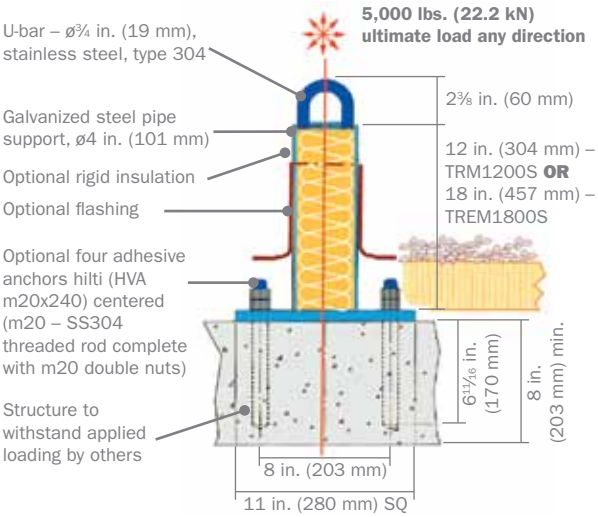
TRT1200S AND TRT1800S MODELS



TRE1200S AND TRE1800S MODELS



TRM1200S AND TRM1800S MODELS



Tie-backs form a system that must be engineered and designed. Different models available. Please contact us for more information.

faba
rigid rail ladder safety systems

The Faba rigid rail ladder safety system is a fall protection system which can be installed onto an existing ladder or it can be supplied with a ladder and the complete system. It is available in galvanized steel, stainless steel or aluminium. The asymetric rail prevents the rail grab from being inserted in the wrong direction. It has short locking distances which mean less impact on the body.

APPLICATIONS
- Wind power plants
- Antennas and lighting pylons
- Chimneys

AL2 ALUMINIUM RAIL
- Short locking distances
- Rail grab system's mechanism prevents wrong installation

A12 STEEL RAIL
- Easy and quick installation
- Available in galvanized or stainless steel
- Short locking distances
- Available with foldable rungs
- Rail grab cannot be inserted in wrong direction

stopcable®
ladder safety systems

- Integrated shock absorber in upper bracket reducing forces on ladder
- Adjustable on most permanent ladders
- No special tools required for installation
- Includes:
  - Wire rope
  - Wire rope adjuster
  - Upper bracket with integrated shock absorber
  - Lower bracket

STOPCABLE® WITH GALVANIZED STEEL WIRE ROPE

MODEL	LENGTH	WIRE ROPE
L1T20	20 ft. (6 m)	5/16 in. (8.4 mm) with LT516
L1T600	600 ft. (180 m)	5/16 in. (8.4 mm) with LT516

** Other lengths available from 20 to 600 ft. (6 to 180 m) in multiples of 10 ft. (3 m).*
Note: System does not include ladder.

STOPCABLE® WITH STAINLESS STEEL WIRE ROPE

MODEL	LENGTH	WIRE ROPE
L1T20S	20 ft. (6 m)	5/16 in. (8.4 mm) with LT516
L1T600S	600 ft. (180 m)	5/16 in. (8.4 mm) with LT516

** Other lengths available from 20 to 600 ft. (6 to 180 m) in multiples of 10 ft. (3 m).*
Note: System does not include ladder.

DETACHABLE TRAVELER FOR STOPCABLE® WITH AUTOLOCKING CARABINER

Sold separately from the ladder safety systems.

MODEL	DESCRIPTION
LT516	Detachable traveler for 5/16 in. (8.4 mm) wire rope

engineered solutions

Tractel® services

- Initial site assessment
- Engineering
- Certified system installation
- End user training
- Inspection/ Re-certification

OVERHEAD BRIDGE CRANES AND EXPOSED WALKWAYS


BUILDING ROOF TOPS


TRUCKS, BUSES AND AIRCRAFT HANGARS




RAILCARS AND ARENAS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