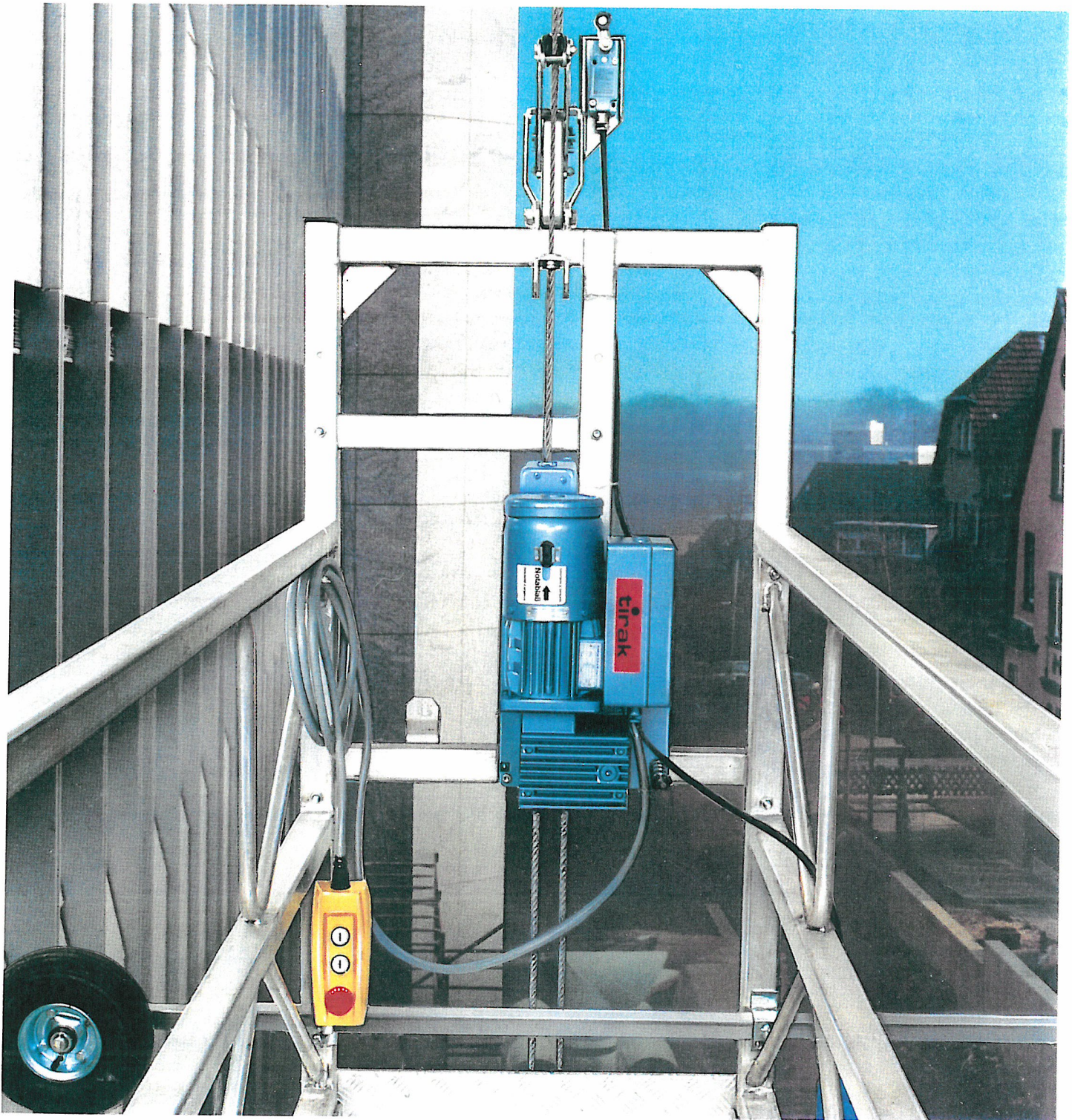


tirak[®]

X-SERIES

traction hoists for suspended scaffolding



 **Griphoist**[®] Inc.

A Tractel Group Company

tirak[®] X-Series

U.L. Classified/CSA Approved Traction Hoists for Suspended Scaffolding

As a user of suspended scaffolding equipment, you want a powered hoist you can depend on. One that's easy to handle, has the capacity you need, and is inexpensive to maintain.

The **TIRAK[®] X-Series** traction hoists from Griphoist, Inc. have all the features you need, and more.

The X-Series hoists use a unique traction system for unlimited height lifting. You can use the same hoist for any job from 30 to 1,200 ft. and higher. In fact, TIRAK hoists are designed for use on all types of suspended scaffolding equipment, including swing stages, workcages and bosun's chairs. You can choose from electric motors (110, 220 or dual voltage) or air powered motors.

Lifting capacities range from 700 to 1,500 lbs.

Tough, Lightweight and Low Maintenance

Small and Lightweight

This means less manpower to handle the hoists, and more available capacity when working on the platform.

High Quality Manufacturing

Since we manufacture and assemble all our hoists at our factory, we can ensure high quality, less downtime and spare parts availability.

Griphoist, Inc.

392 University Ave., P.O. Box 68
Westwood, MA 02090
(800) 421-0246 • Tel (617) 329-5650
Fax (617) 329-6530

Hayward, CA Office

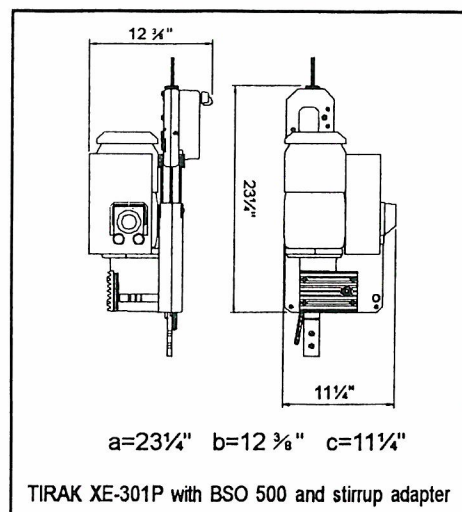
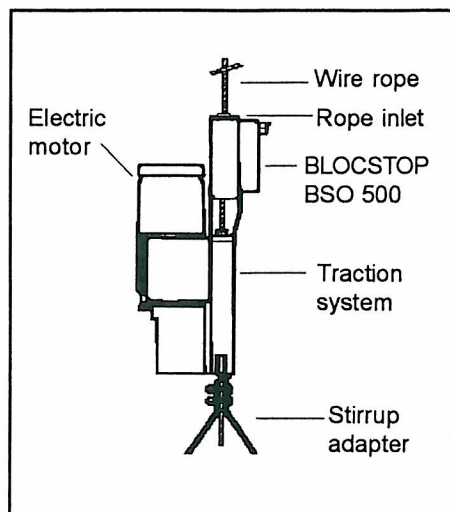
(510) 782-8952 • Fax (510) 786-9104

GRIPHOIST Canada Inc.

11020 Mirabeau Street
Anjou, Quebec, H1J5S3
Tel: (514) 493-3332
Fax: (514) 493-3342

GHX 9504 5M

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Emergency Backup

For emergency situations, a BLOCSTOP[®] BSO 500 secondary brake is mounted on TIRAK hoists as standard equipment. The BSO 500 is mounted externally for easy service and inspection. A centrifugal, mechanical brake allows for controlled descent even if power is lost. This means no dependence on electrical components for emergency lowering.

The BLOCSTOP BS/BSO 500 is a combination brake for a dual wire rope system that provides protection in case of primary rope failure.

Reliability & Service

As a leading designer and innovator in suspended scaffolding equipment for over 30 years, Griphoists' products will give you years of trouble free service. Our competent and friendly dealer network have trained personnel to instruct you on the proper use of our hoists. And they have the equipment you need, normally **in-stock** and ready to go.

Call Griphoist or your local dealer for TIRAK hoists with 3 phase motors, special controls or accessories. We also have material hoists, suspension beams and modular platforms.

TYPE	XE301P	XE301P	XA300P	XA500P	XE501P	XE501PA	XA700P	XE701P
Capacity (lbs.)	700	700	700	1000	1000	1000	1500	1500
Lifting speed (fpm)	35	35	to 35	to 35	35	35	10-25	35
Weight* (lbs.)	79	79	68	93	123	121	93	123
Electric motor:								
type kW	.55	.55	—	—	1.1	1.1	—	1.5
voltage	110	220	—	—	110/220	220	—	220
amperage	10.5	5.2	—	—	19.5/9.5	9.5	---	12
phase	single	single	—	—	single	single	—	single
Air motor:								
Consumption (CFM)	—	—	30	53	—	—	53	—
working pressure (PSI)	—	—	85	85	—	—	85	—
Wire rope								
Diameter (in.)	5/16"							
Min. breaking strength (lbs.)	9,000 lbs.							
Construction	4 x 26 galvanized or 6 x 19 IWRC							
* includes BSO secondary brake								
Air and electric hoists have direct control, remote control available on request for all hoists.								

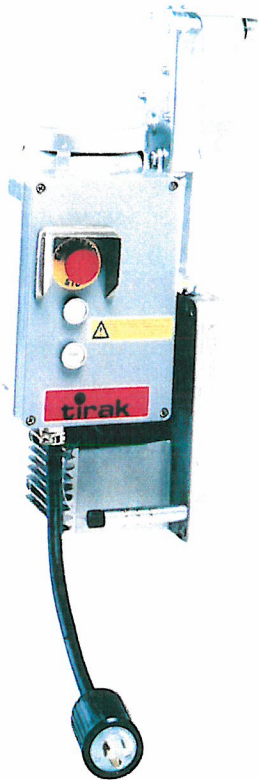
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tirak[®]

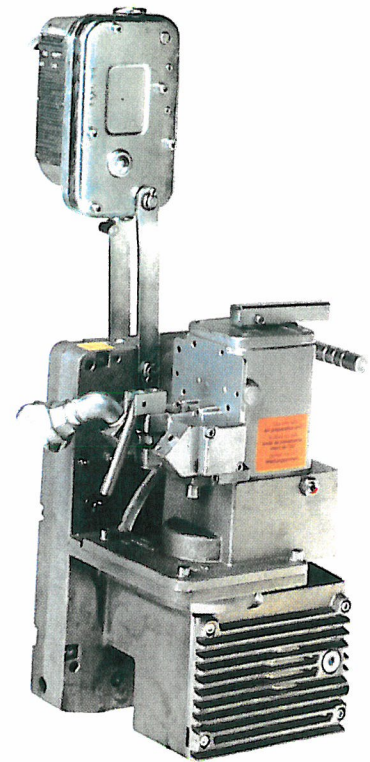
X-SERIES

traction hoists for suspended scaffolding

XE 301P SERIES



XA 300/500/700 SERIES



XE 500/501/701P SERIES



 **Tractel** Group

Griphoist[®] Division

tirak[®] X-Series

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Tractel Ltd.

Griphoist Div.

11020 Mirabeau Street

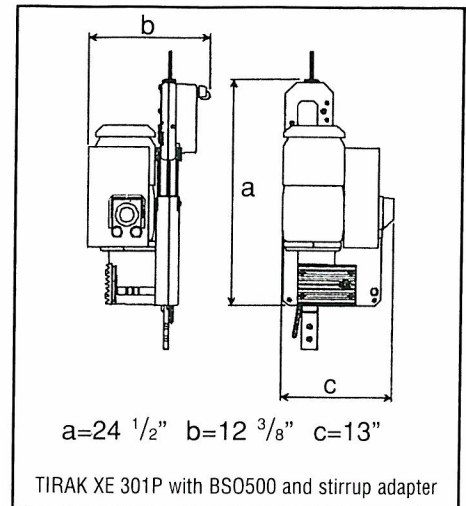
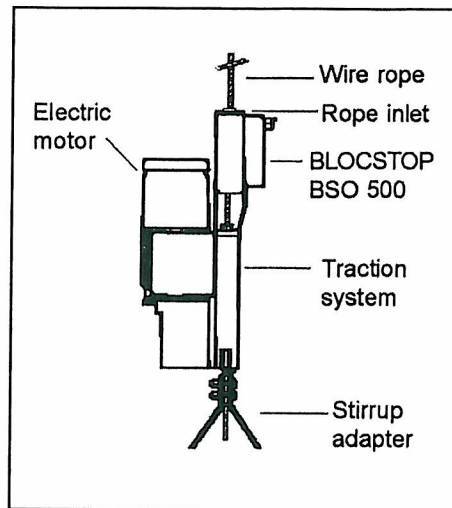
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REV-1GHX 9504 10M-2/98

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Emergency Backup

For emergency situations, a BLOCSTOP[®] BSO 500 secondary brake is mounted on TIRAK hoists as standard equipment. The BSO 500 is mounted externally for easy service and inspection. A centrifugal mechanical brake allows for controlled descent even if power is lost. This means no dependence on electrical components for emergency lowering.

The BLOCSTOP BS/BSO 500 is a combination brake for a dual wire rope system that provides protection in case of primary rope failure.

Reliability & Service

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Call Tractel, Inc. Griphoist Division or your local dealer for TIRAK hoists with 3 phase motors, special controls or accessories. We also have material hoists, suspension beams and modular platforms.

TYPE	XE301P	XE301P	XA300P	XA500P	XE501P	XE501PA	XA700P	XE701P
Capacity (lbs.)	700	700	700	1000	1000	1000	1500	1500
Lifting speed (fpm)	33	33	to 35	to 35	35	35	10-25	35
Weight* (lbs.)	77	77	62	90	121	109	90	126
Electric motor:								
type kW	.55	.55	—	—	1.1	1.1	—	1.5
voltage	110	220	—	—	110/220	220	—	220
amperage	10.5	5.2	—	—	19.5/9.5	9.5	—	12
phase (3 phase avail.)	single	single	—	—	single	single	—	single
Air motor								
Consumption (CFM)	—	—	30	53	—	—	53	—
Working pressure (PSI)	—	—	85	85	—	—	85	—
Wire rope**								
Diameter	5/16 inch (8.3mm)							
Breaking strength	10,000 lbs. (44.5 kN)							
Construction	4x26, 5x26, or 6x19 with fiber core, preformed							
* includes BSO secondary brake **9.5mm wire rope for 700 series in Canada								
Air and electric hoists have direct control, remote control available on request for all hoists.								

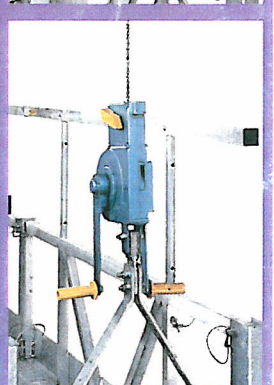
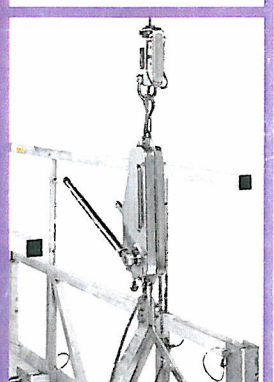
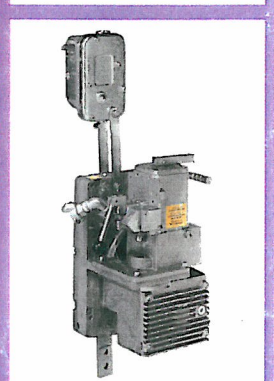
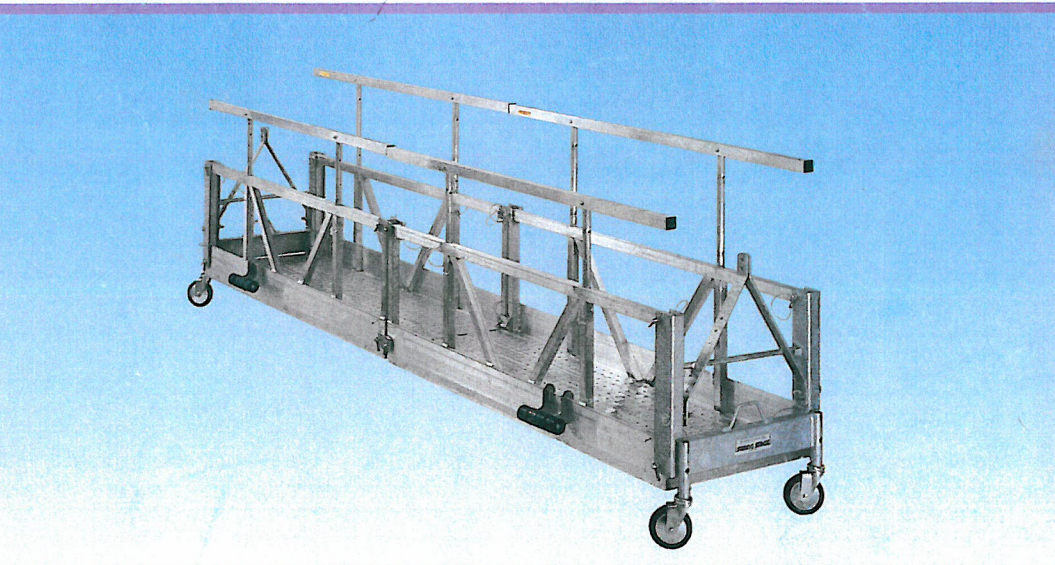
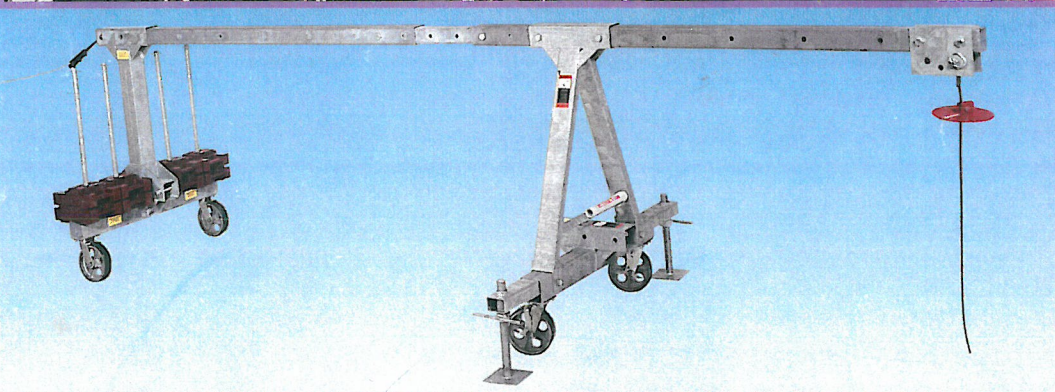
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Ask about our fall arrest equipment and our innovative lifting and pulling products.

suspended scaffolding systems

hoists, platforms, suspension devices, fall protection products, and accessories

Photo courtesy of Matthew's scaffolding Omaha, Nebraska



*Suspension Hoists:
Powered/Manual
*Platforms
*Safety

 **Tractel** Inc.
GRIPHOIST® Division

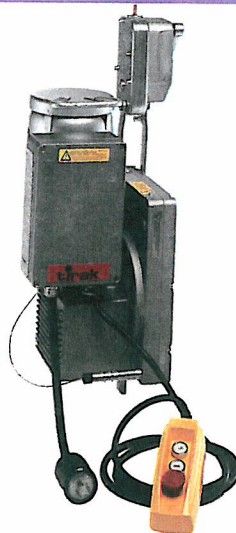
*Tirak Hoist®
*Delta®
*Scafor®
*Fallstop®

tirak[®] powered traction hoists
for reliable, high quality performance on your next
suspended scaffold job

The Tirak[®] has features and benefits that place it in a league of its own. Its efficient, simple and constant traction principle allows the hoist to be used in any orientation, even upside down. Its angular design makes for easier servicing and positioning. And best of all, its low maintenance cost means THOUSANDS of dollars saved over the life of the machine.

tirak[®] X-Series Hoists

XE 501PA with Pendant



**Blocstop[®] Secondary/Overspeed
Brake (Optional 2-Wire Rope
System not shown)**

Direct or Pendant Controls

**Emergency Mechanical
Controlled Descent Lever**

Self-Reeving Traction System

XE-301P Series



XE-501P/701P Series



XA-300/500/700P Series



Features & Specifications										
TYPE	XE301P	XE301P	XE500P	XE501P	XE501PA	XE701P	XE700P	XA300P	XA500P	XA700P
Rated Capacity (lbs.)	700	700	1000	1000	1000	1500	1500	700	1000	1500
Lifting Speed (fpm)	35	35	35	35	35	35	35	up to 35	35	10-25
Weight* (lbs.)	77	77	100	121	109	126	113	62	90	90
Electric Motor:										
Type kW	0.55	0.55	1.1	1.1	1.1	1.5	1.5	-	-	
Voltage	110	220	220	110/220	220	220	220	-	-	
Amperage	10.5	5.2	4.5	19.5/9.5	9.5	12	6.1	-	-	
Phase	single	single	three	single	single	single	three	-	-	
Air Motor:										
Consumption (CFM)	--	--		--	--	--		30	53	53
Working pressure (PSI)	--	--		--	--	--		85	85	85
Wire Rope:										
Diameter (in.)	5/16"									
Min. breaking strength (lbs.)	10,000 lbs.									
Construction	4 x 26 galvanized or 6 x 19 IWRC									
* Includes BSO secondary brake Air & Electric hoists have direct control; remote control available upon request for all hoists										

swingstage® modular platforms

for reliable, high quality performance on your next suspended scaffold job

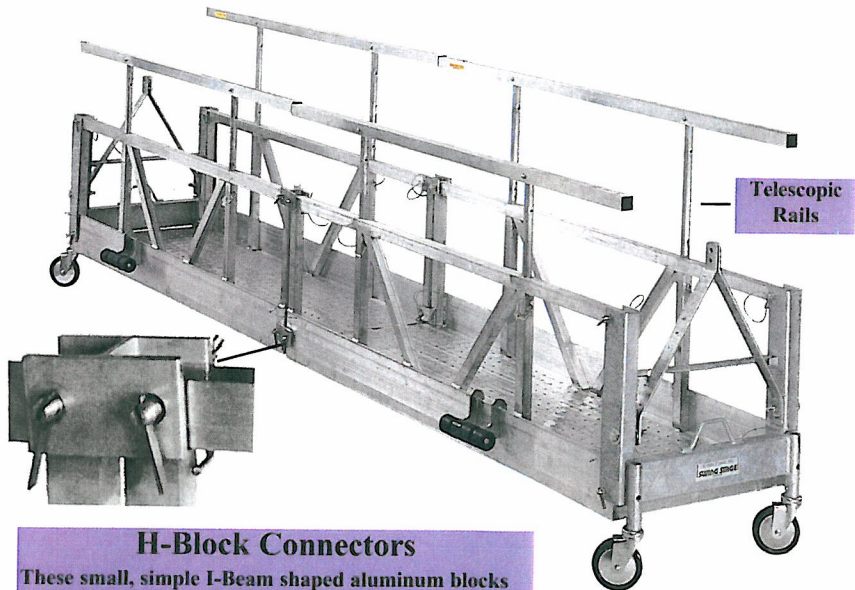
swingstage® modular platform

The **swingstage®** modular suspended platform provides a stable secure platform for work being done on highrise buildings, tall structures and bridges.

A modular system gives you the **flexibility** you need to mix and match sections to achieve different lengths and angles, an option unavailable with fixed length platforms. **Corner sections** enable you to specifically fit each job. **Intermediate stirrups** extend your platform by up to 6'6" past the suspension point to access hard-to-reach corners. Our one piece platform sections provide not only great **stability**, but are **fast** to set-up with H-block connectors and gravity pins --- there are **no tools required!** And telescopic guardrails on both sides are a standard feature.

Given that the **swingstage®** platforms have very few parts and require no tools, they are **easy to assemble**. Lighter than competitors' models, our platform will **cost you less to transport** and will **take fewer workers to rig and install it**.

MPO3 modular platform



H-Block Connectors

These small, simple I-Beam shaped aluminum blocks connect the platform sections together. Gravity Pins with safety wires secure the blocks without using tools.

C-Stirrup

(Intermediate Stirrup)

for longer platforms and higher load capacities
with double wire rope capability

End Stirrup

lightweight, easy to install, with carrying
handle and large casters for easy mobility

Load Configuration Chart

(allowable load on cantilever - 500 lbs.)

Length		Rated Load Capacity
ft.	m.	lbs.
20	6	1500
26	8	1500
29.5	9	1500
33	10	1250
36	11	1000
39.5	12	1000
42.5	13	1000
46	14	1000
49	15	1000
52.5	16	750
56	17	750
59	18	750



Load Configuration Chart

Length		Rated Load Capacity
ft.	m.	lbs.
6.5	2	750
10	3	750
13	4	1000
16.5	5	1250
20	6	1500
23	7	1500
26	8	1500
29.5	9	1500
33	10	1250
36	11	1000
39.5	12	1000
42.5	13	750
46	14	750
49	15	750

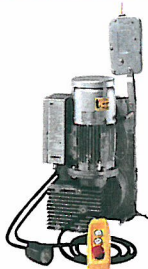
The C-stirrup is constructed of steel and designed for maximum strength. Large 5 in. diameter neoprene casters provide easy mobility on jobsites.

Constructed of galvanized steel, the End Stirrup is designed for fast and easy set-up.

tirak[®] powered traction hoists

for reliable, high quality performance on your next suspended scaffold job

TE-1020P



tirak[®] T-Series Traction Hoists

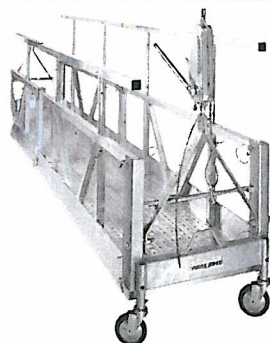
The tirak[®] T-Series Traction Hoist, the only 1 ton UL classified hoist on the market, is a versatile hoist that can be used in both scaffolding and material handling applications. Its symmetrical traction design allows for pulling in either direction and for mounting in any orientation. The T-Series Hoist can also be pneumatically controlled. And for larger jobs, it can be double reeved to increase its capacity.

TA-1020P



TYPE	TE1020P	TE1021P	TA1020P	TE1000P	TE1001P	TA1000P	
Rated Capacity (lbs.)	2000	2000	2000	1500	1500	1500	
Lifting Speed (fpm)	35	17	35	35	17	35	
Weight* (lbs.)	174	194	190	174	194	190	
Electric Motor:							
Type kW	2.2	1.1	----	2.2	1.1	----	
Voltage	200	100/200	----	200	100/200	----	
Amperage	9.4	18/9	----	9.4	18/9	----	
Phase	three	single	----	three	single	----	
Air Motor:							
Consumption (CFM)	----	----	78	----	----	78	
Working pressure (PSI)	----	----	85	----	----	85	
Wire Rope:							
Diameter (in.)	3/8"			5/16"			
Min. breaking strength (lbs.)	15,000 lbs.			10,000 lbs.			
Construction	4 x 26 galvanized or 6 x 19 IWRC						

Griphoist[®] Manual Wire Rope Hoists TU-17 with Anchor Bar



manual hoists

As an economical alternative to motorized hoists, we offer the U.L. classified Griphoist and Scafor Manual Hoists.

Our Griphoist is the original wire rope hoist, designed to raise and lower your platform with a simple-to-use telescopic handle. The TU-Series Griphoist is U.L. Classified for manriding. And every model comes standard with high quality galvanized wire rope that resists kinks and bird cages that could foul the internal mechanism.

The Scafor Manual Hoist is ideal for masons, painters and any low-rise applications.

Scafor[®] Manual Hoists



Griphoist Specifications	TU-17	TU-28	TU-32
Rated Capacity	1500 lbs.	3,000 lbs.	6,000 lbs.
Weight with Handle	21.5 lbs.	46 lbs.	65 lbs.
Approx. Speed per minute	6' to 8'fpm	6' to 10'fpm	5'fpm
Wire Rope Specifications			
Diameter/Construction	5/16"/ 4 x 26	7/16"/ 4 x 26	5/8"/ 4 x 36
Min. breaking load	10,000 lbs.	20,000 lbs.	40,000 lbs.
Standard Length*	30'	60'	30'

Specifications for Scafor Model 408 UL Classified Scaffold Hoist	
Rated Capacity	880 lbs
Weight of Unit	23 lbs
Effort on Handle for 550 lbs.	15 lbs.
Wire Rope travel/revolution	3 in.
Wire Rope Size	5/16"
Wire Rope Construction	4 x 26 or 6 x 19 galvanized
Wire Rope Breaking Strength	10,000 lbs.

*Longer or shorter lengths available upon request

tirak®

Compact
Endless-Winch
for any
wire rope length

For Man-riding
and material
handling

**4,000 / 6,000 lbs
capacity!**

With built-in overload device

TIRAK® Type
X 2000 P
for man-riding
is delivered with
BLOCSTOP
BSO 2000
fixed on top
of the hoist.

Powerful performance – compact size – approved safety!

The TIRAK® is an Endless-Winch – it drives the wire rope without storing it. That means **the height of lift or length of pull** depends on the length of the wire rope only.

You can lift **6,000 lbs.** Increasing the capacity is possible by using multiple sheave blocks.

The TIRAK® provides a built-in electro-mechanical **overload device**.

Compared to a drum winch the TIRAK® has distinct advantages and is very versatile. Unlike a drum winch there is no lateral travel of the wire rope, and tension and speed also remain constant at all times.



The TIRAK® is built in accordance with the European Machinery Directive, and the type X 2000 P with 4,000 lbs. capacity is **approved for man-riding** in Europe.

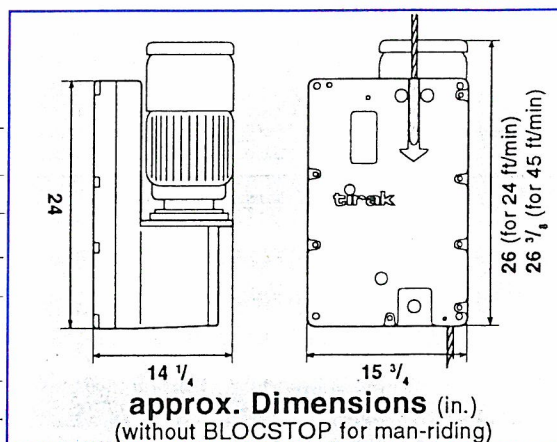
For this application the BLOCSTOP overspeed safety device BSO 2000 as secondary brake is supplied with the TIRAK® and fixed with straps on top of the hoist. It stops the load in case of overspeed, and – at the same time – switches off the TIRAK® motor.

"Installing" the wire rope is very simple: feed the wire rope tip into the hoist, and start the motor – the wire rope drive automatically reeves the wire rope.

tirak® – pulling unlimited!

Printed in Germany

Technical Data		Tirak® for Man-riding	...for Material handling	
TIRAK® Type		X 2000 P	X 3000	
Capacity	lbs	4,000	6,000	
Electric motor	power supply	230 V - 60 Hz - 3 phases		
Power	HP	3	5	10
Wire rope speed	ft/min	24	24	45 ¹⁾
Wire rope diameter	in.	9/16		
Minimum breaking load	lbs	35,300		
Dead weight	approx. lbs	185	215	245
1) at 60 % duty cycle				



Printed in Germany

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Division 28312 Industrial Blvd., Suite C, Hayward CA 94545 Phone 510-782-8952 Fax 510-786-9104