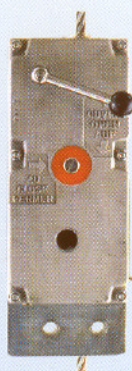


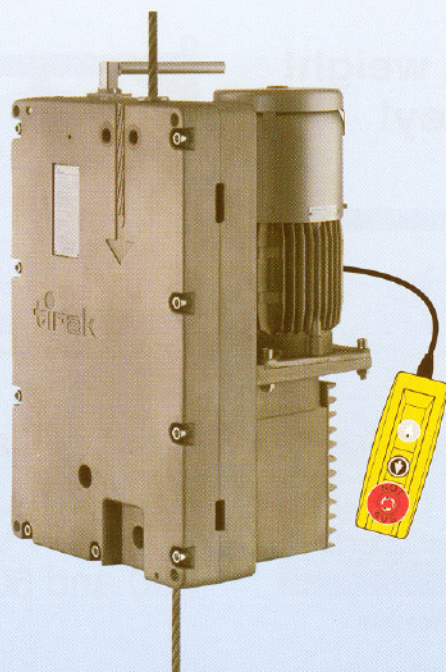
tirak[®] X 2050 P/X 3050

Compact Endless-Hoist for any wire rope length. For Man-riding and materials handling



**BLOCSTOP
BSO 2000**

Fall arrest device
for man-riding
(Details on request)



**Capacity:
2000 / 3000 kg**

With built-in overload device

Powerful performance – compact size – approved safety!

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

You can lift **3 tons**. Increasing the capacity is possible by using multiple sheave blocks. The TIRAK is equipped with a built-in electro-mechanical **overload device**.

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



The TIRAK is manufactured in accordance with the European Machinery Directive and the model X 2050 P, with 2000 kg capacity, is **approved for man-riding**.

For this application we also offer the BLOCSTOP fall arrest device BSO 2000, which stops the suspended load on the prescribed secondary wire rope in case of overspeed.

“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.

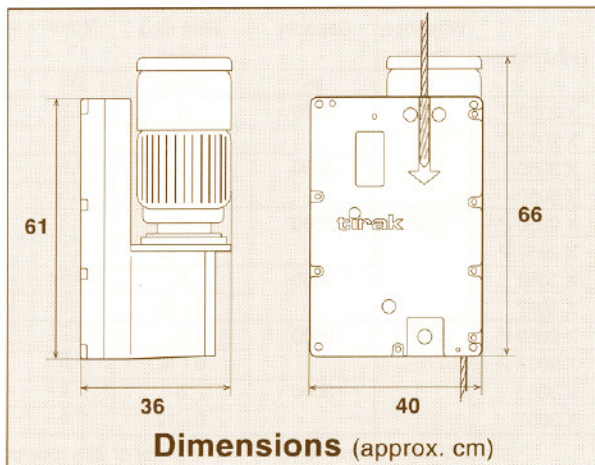
tirak[®] – pulling unlimited!

(Details on request)

Technical Data

| Technical Data | | Tirak® for Man-riding | | Tirak® for Materials handling | |
|--|--------------|-------------------------|-----|-------------------------------|------------------|
| TIRAK®-Series | | X 2050 P | | X 3050 | |
| Capacity | kg | 2,000 ¹⁾ | | 3,000 | |
| Electric motor | power supply | 400 V - 50 Hz - 3 phase | | | |
| Power | kW | 2.2 | 5.5 | 3.8 | 7.5 |
| Wire rope speed ¹⁾ | m/min | 6 | 12 | 6 | 12 ²⁾ |
| Wire rope diameter | mm | 14 ³⁾ | | | |
| Calculated breaking strength | kN | 186 | | | |
| Dead weight | approx. kg | 85 | 110 | 97 | 110 |
| 1) variable speed on option 2) at 60 % duty cycle 3) also for BSO 2000 | | | | | |

1) variable speed on option 2) at 60 % duty cycle
3) also for BSO 2000

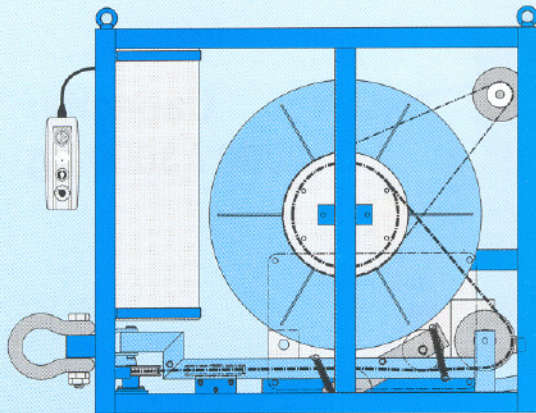


A Member of the TRACTEL Group

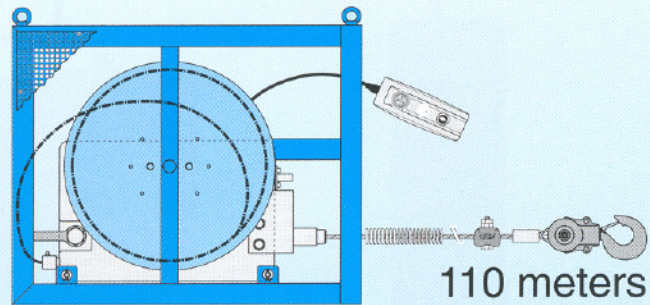
tirak[®] as Mobile Hoist

The ideal hoist for changing applications. Pulls in any direction!

**Saves space, weight
and money!**



With power driven wire rope drum



With automatic wire rope reeler

110 meters

Capacity: 2000 / 3000 kg

250 and 500 meters

The **Mobile Hoist** with the TIRAK[®] is the **ideal hoist** for applications at changing locations.

Compared to a drum winch of the same capacity it is **much smaller, lightweight, and extremely economic**. Changing the wire rope is very simple and the life-time of the wire rope is much greater than that of a drum winch.

Motor and controls are splash-proof, which ensures reliable **continuous operation** even under site conditions. A **wire rope end detector** prevents the wire rope from inadvertently running out.

In case of power failure you still can lower the load, but the built-in **centrifugal brake** limits the lowering speed.

The 250 and 500 meter models **with 12 m/min speed** offer **continuously variable speed** as standard equipment.



Mobile Hoists with the TIRAK[®] are manufactured in accordance with the European Machinery Directive.

With 2000 kg capacity and a fall arrest device installed they are **approved for man-riding**.

Do you know a better reference for safety and reliability?

tirak[®] ... safety and mobility!

(Details on request)

Technical Data

| Hoist model | Wire rope length m | Capacity kg | Wire rope speed m/min | Motor ¹⁾ kW | Rated current at 400 V A | Duty cycle % | TIRAK wire rope | Dead weight w/o wire rope approx. kg | Dimensions L x W x H mm | Code w/o wire rope |
|-------------|-----------------------|----------------|--------------------------|---------------------------|--------------------------------|-----------------|--|--|-------------------------------|-----------------------|
| X 2050 P | 110 | 2000 | 6 | 2,2 | 6 | 100 | 14 mm Ø | 200 | 990 x 688 x 853 | |
| X 2052 P | | | 12 | 5,5 | 12 | 100 | | 225 | | |
| X 3050 | | 3000 | 6 | 3,8 | 9 | 100 | | 210 | | |
| X 3052 | | | 12 | 7,5 | 18 | 60 | | 225 | | |
| X 2050 P | 250 ²⁾ | 2000 | 6 | 2,2 | 6 | 100 | Calculated breaking strength 186 kN | 465 | 1300 x 1000 x 1200 | |
| X 2057 P | | | 0 - 12 | 5,5 | 12 | 100 | | 525 | | |
| X 3050 | | 3000 | 6 | 3,8 | 9 | 100 | | 475 | | |
| X 3057 | | | 0 - 12 | 7,5 | 18 | 60 | | 525 | | |
| X 2050 P | 500 ²⁾ | 2000 | 6 | 2,2 | 6 | 100 | 0,74 kg/m | 490 | 1300 x 1200 x 1200 | |
| X 2057 P | | | 0 - 12 | 5,5 | 12 | 100 | | 550 | | |
| X 3050 | | 3000 | 6 | 3,8 | 9 | 100 | | 500 | | |
| X 3057 | | | 0 - 12 | 7,5 | 18 | 60 | | 550 | | |

¹⁾ at 400 V three phase/50 Hz

²⁾ motor of wire rope drum 0,75 kW (250 m) bzw. 1,5 kW (500 m)

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