

The UniDrive is a descender/rescue device with a unique winch function.

It can be operated manually twice:

- for small distances with the handwheel,
- for longer distances or heavy loads with the extendable ratchet which works on the direct (=pulley-) axle.

The device is self-locking, which means no need to block the device manually by a rope clamp while hoisting. In the moment you or the power source stop winding, the device stops automatically until you start again.

It can be used with any electric/pneumatic/engine power sources that provide a sufficient torque. The built-in torque limiter reduces the pulling force to max. 1,6 kN. So the user or the casualty and also the device and the rope is protected against exceeding forces that could tear him apart, no matter how strong the power source is or how headless the user works.

According to the EN "machine directive" it will be certified as a man-carrying worklift as a set together with a seat board and a backup-line (f.e. a retractable lanyard). Just as an example for the performance: a cordless power drill like the Makita DHP 459 can lift a person of 100 Kg ca. 80 meters with one battery pack with a speed around 5 m/min.

#### Main Features:

Descender device for 2 Persons with centrifugal brake  
Max. height: 160 m  
Descent speed: 0,8 m/s

Certified according to the current standards  
ANSI / CSA / EN

EN certification according to machine directory  
as man-carrying worklift for heights up to 160 m  
(pending, as a set with seat board and backup-line)

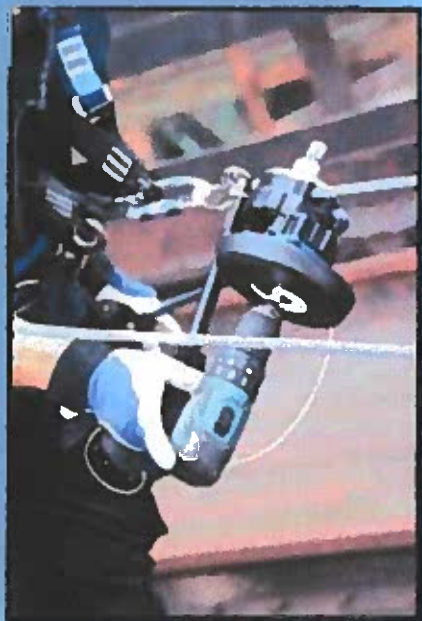
Hoisting function:  
2 x manually (handwheel + ratchet)  
1 x power drive  
by any suitable power source f.e.  
cordless screwdriver, pneumatic motor etc.

Self-locking (patented)

Built-in torque( =pulling force)-limiter (pat. pending)

Bracket for tubes (outside diam.48mm) available





## Mittelmann

## Sicherheitstechnik

### versatile

- random drive selection -  
electric, pneumatic, manually
- rescue and rope access  
rescue device & man-carrying winch  
(work-positioning device)

### safe

- self-locking
- force limiter
- manual feature always available

### simple

- minimized training requirement
- easy to handle
- easy to maintain

### technical data:

descender device acc. to EN 341:2011  
max. descent height (max. 2 person) 160m  
class A (100kg)  
class B (200kg)

rescue device acc. to EN 1496:2006  
max. lifting height 160m  
(motor-driven)  
max. lifting load 200kg  
(manually operated)

man-carrying winch / work-positioning device  
acc. to machine directive 2006/42/EG

## UNIDRIVE