

## AVANTI CLIMB ASSISTANCE - A SAFE INVESTMENT



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Avanti Climb Assistance is a **safe and profitable investment** both in turbines of average height as well as in older turbines without lift systems. Older turbines must be serviced more often - and this requires a lot of hard climbs on the ladder.

Avanti Climb Assistance relieves the service technician during ascent on the vertical ladder. Thereby, wearing down of the body's moving parts is avoided. **The climb assistance especially relieves wearing injuries on knees, arms and feet.** The user will be relieved of the chosen number of kilos, which the climb assistance pulls (30 or 40 kg). Thereby the own weight of the user will be reduced to a minimum. The Climb Assistance can also be used when descending.

The Climb Assistance can be used in all wind turbines and can be installed any time - also in existing wind turbines.

Even in smaller wind turbines a simple installation like the Climb Assistance gives great safety and human advantages.

**Fall from the ladder is a big risk by service works in wind turbines.** Therefore, the Climb Assistance must be used together with the fall protection.

Technically, the Climb Assistance works by an endless rope leading the user both up and down the ladder of the turbine. The pulling rope runs on a block in the top and a pulling unit at the bottom of the wind turbine. This ensures a constant pull of either 30 or 40 kg, determined by the service technician.

**The pulling rope has been safely fastened to the belt of the technician with a clamp of the same type as used by mountain climbing.**

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The Climb Assistance can be installed in all types of wind turbines - including older, existing turbines. The ascent on the ladder is easy and safe with Avanti Climb Assistance.



If the user weighs say 100 kg and chooses a pull of 40 kg, he only has to lift 60 kg of his own body weight. Thereby, especially injuries on knees, arms and feet are avoided.



### ADVANTAGES FOR THE USER:

The service technician's own weight will be relieved of the chosen number of kilos (30 or 40 kg). If the user weighs say 100 kg and chooses a pull of 40 kg, he only has to lift 60 kg of his own body weight.

The user decides whether he wants to climb slowly or quickly.

The automatic pull is constant no matter how fast the user is climbing. Thereby sudden movements are avoided.

Pull and speed work independent of each other.

The automatics can be disconnected or connected anywhere and at any time.

### SPECIFICATIONS:

Patented system

CE-marked

Machine parts developed according to the machinery directive 98/37/EEC

Demands 220 V - 50/60 Hz

Consumption during rest: 1,01 AMP

Consumption working: Max 9 AMP