

Another Sky Climber Reference!

Vestas, DENMARK



DIVISION: Sky Climber Europe
PROJECT NAME: Vestas, Denmark
APPLICATION: Special cage for access to wind turbine blades

The suspended platform is used by Vestas Services in Denmark and other blade service contractors to access the blades of the wind turbine to carry out inspection, testing, repairs and cleaning of the blade.

The cage is especially large to allow two workers with all their safety gear to stand comfortably in the platform. The handrails are rounded and designed to avoid anything that could catch on the safety harness.

The Alpha 800kg traction hoist and Sky Lock overspeed safety device are both located on top of the walk-through stirrup. The hoist and safety device are mounted on double gimbals (pivots) that allow the hoist and safety device to pivot around two axes up to 24 deg.

This allows the platform to go up very high along the blade, all the way up to the nacelle, without putting undue strain on the walk-through stirrup.

The cage needs to be positioned close to the blade tip after it has been launched:

- For smaller turbines, the cages pushed off the mast using long telescopic rollers in order to reach the blade.
- For larger turbines, the cage is guided using guide wires that are anchored and tensioned at ground level.

Type of Platform	Special designed one-hoist
Length of cradle	2.0m L x 1.4m W x 3.0m H
Cradle rated load	240 kg
No. of persons	2
Type of Hoist	Alpha 800kg
Safety Features	Sky Lock overspeed safety device, Top Limit Switch, overload detection.
Norms	EN1808