



K-BP-2L

Gebr. Käufer GmbH presents its advanced Rotor Blade Access Technology in its product K-BP-2L with Sales, Rental, Service and Training options worldwide

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Gebr. Käufer GmbH Presents K-BP-2L

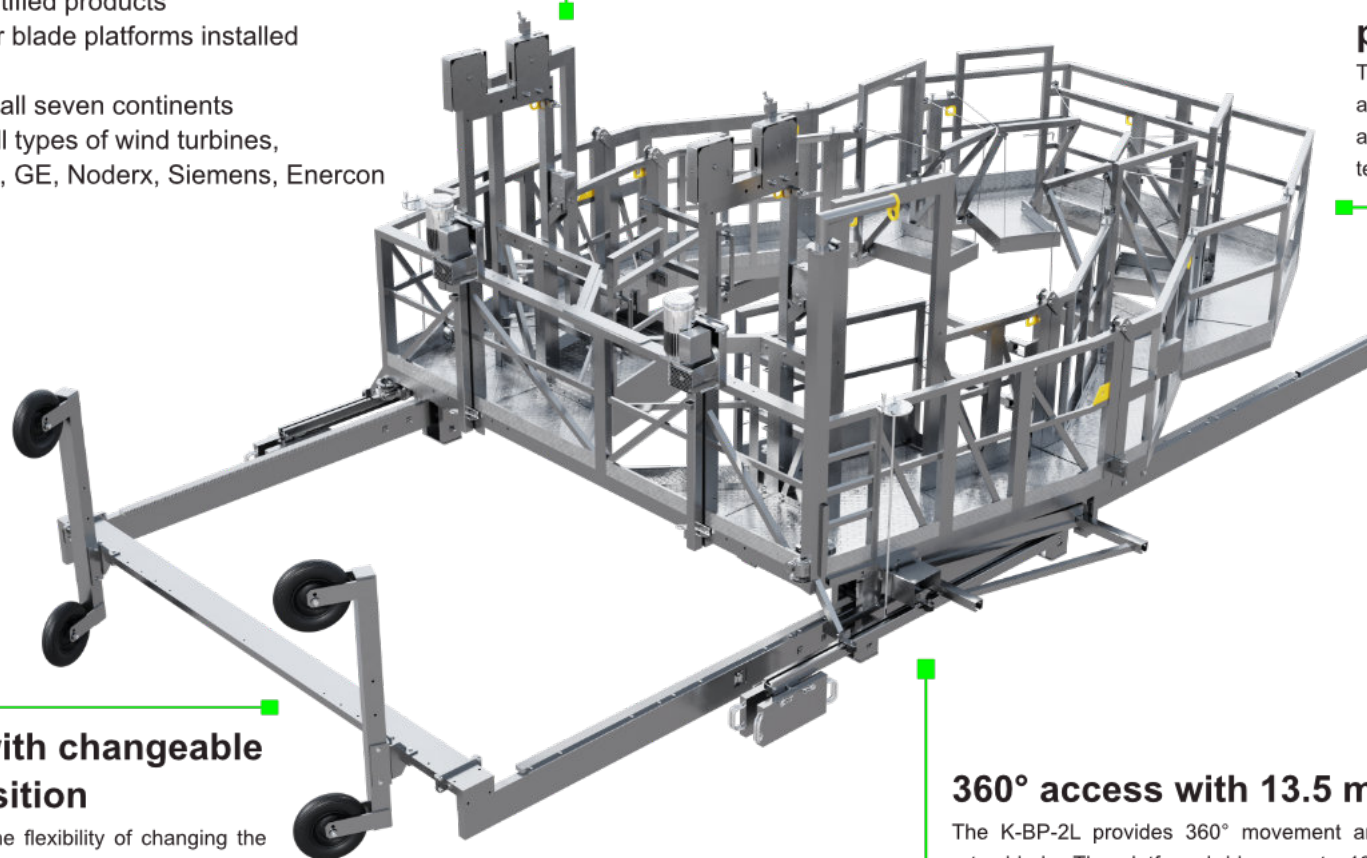
- ✓ Käufer is a privately-owned leading company in the business of blade access systems worldwide.
- ✓ More than 30 years of experience in access systems
- ✓ Made in Germany with in-house engineering and manufacturing
- ✓ Custom-engineered platform and cutting edge technology with certified products
- ✓ More than 300 rotor blade platforms installed worldwide
- ✓ Service partners in all seven continents
- ✓ Experienced with all types of wind turbines, for example Vestas, GE, Noderx, Siemens, Enercon and more

Strong winch with all time access

The K-BP-2L is equipped with 2x1150 kg for Canada / Japan and 2x1000 kg for Europe / USA winches and fall arrest devices. These give the platform extra capacity reserve. All these winches are in direct reach to the technicians at all times, which is one of the essential features of the platform.

Flexible access using sliding platform and folding part

The platform is equipped with two sliding platforms and four folding parts. These Parts increase the accessibility to the blade surface and help technicians move closer to work comfortably.



Plattform rails with changeable Tower wheel position

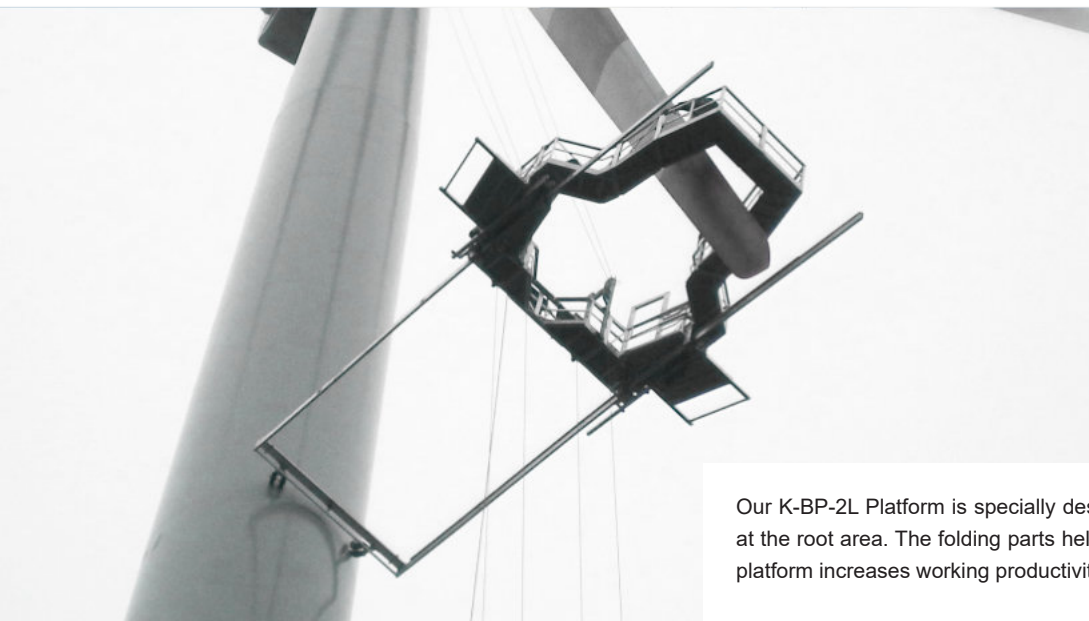
The front traverse provides the flexibility of changing the positions of the tower wheel. Double Wheel assembly helps ride on hybrid towers.

360° access with 13.5 m TTC

The K-BP-2L provides 360° movement around the rotor blade. The platform bridges up to 13.5 m tip-tower distance, which is very important for modern pre-bent blades & large wind turbines.



K-BP-2L at the tip of blade



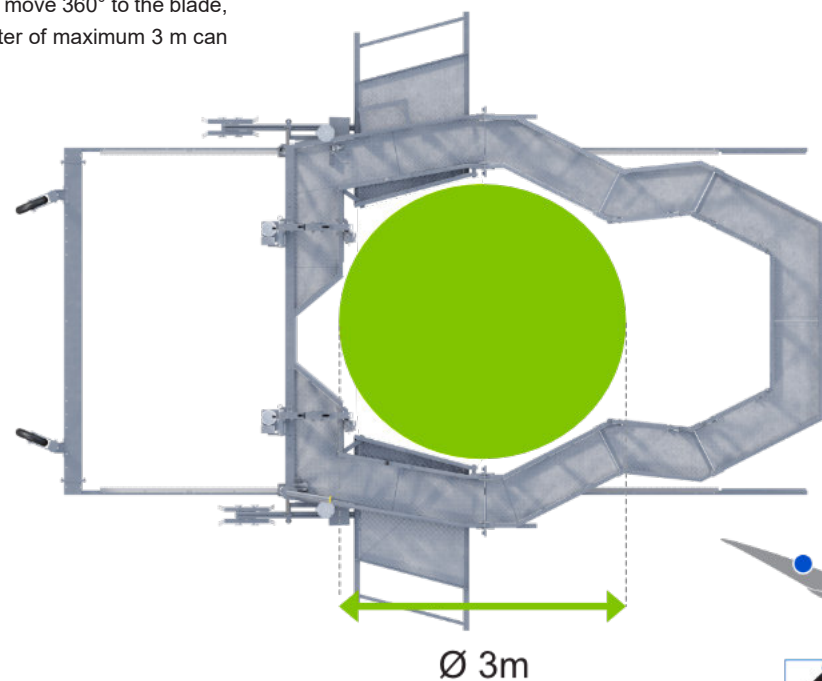
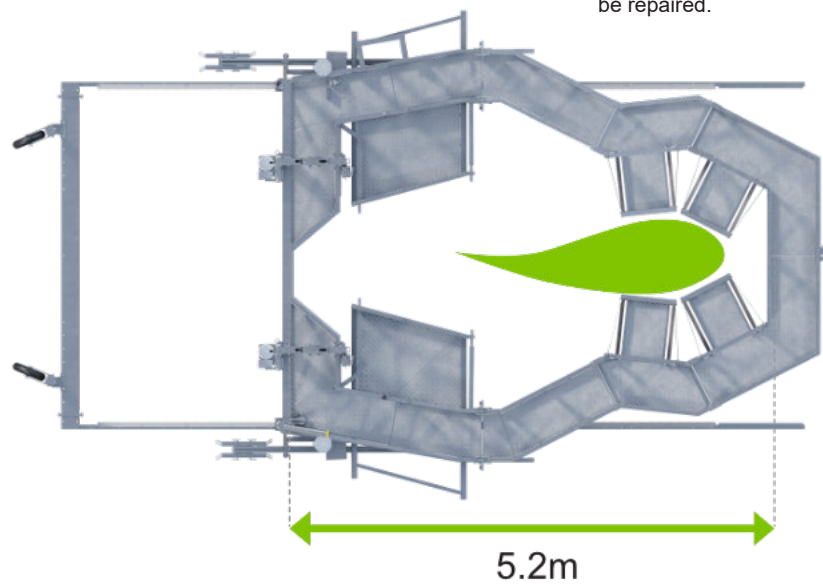
K-BP-2L at the root of blade



Our K-BP-2L Platform is specially designed to work efficiently on the tip area and at the root area. The folding parts help at the tip area during work, and the sliding platform increases working productivity at the chord & root area.

360° Access

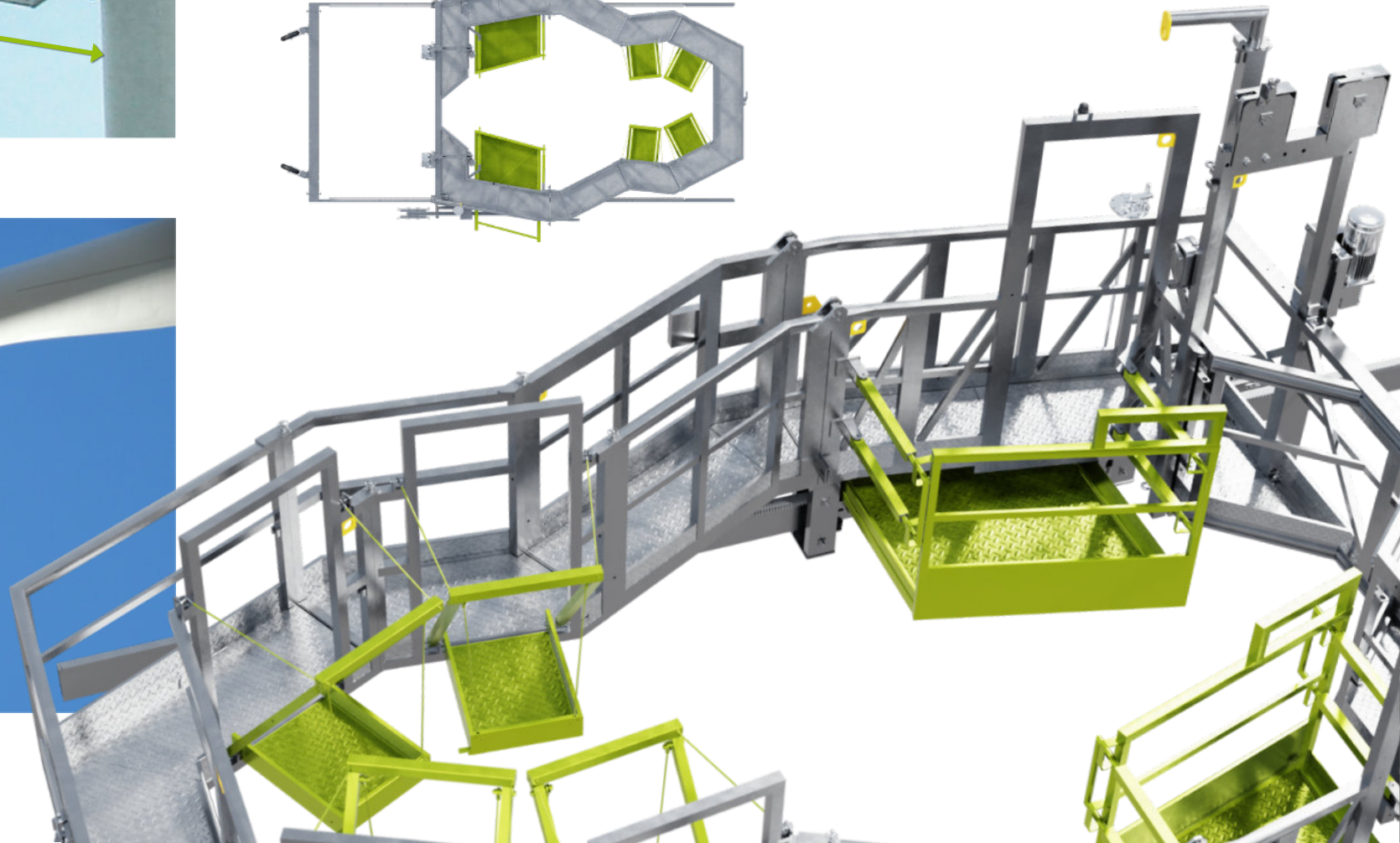
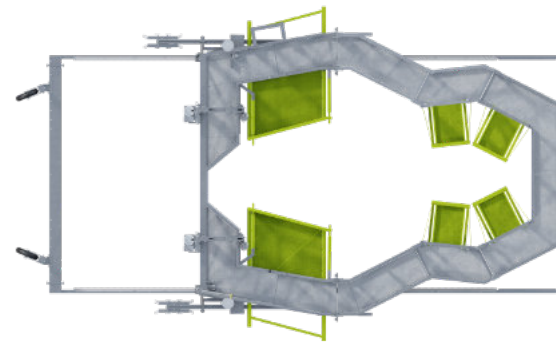
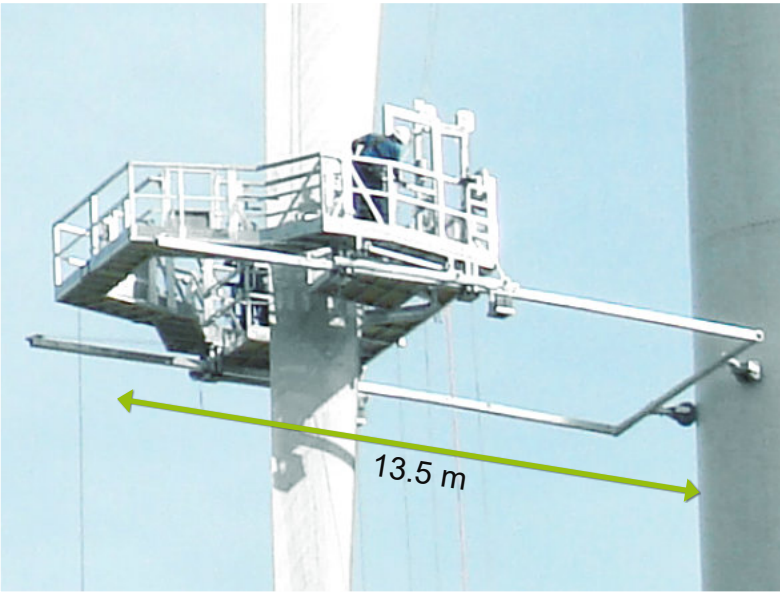
The contour of the platform allows technicians to work and move 360° to the blade, where a chord length of maximum 5.2m and a root diameter of maximum 3 m can be repaired.



Access to blade surface

Wind turbines are getting bigger every day, and tip-tower distance is an important parameter to consider while searching for the best solution for your wind farm. The K-BP-2L's rails make it possible to bridge the distance of 13.5m from the tower to the blade tip.

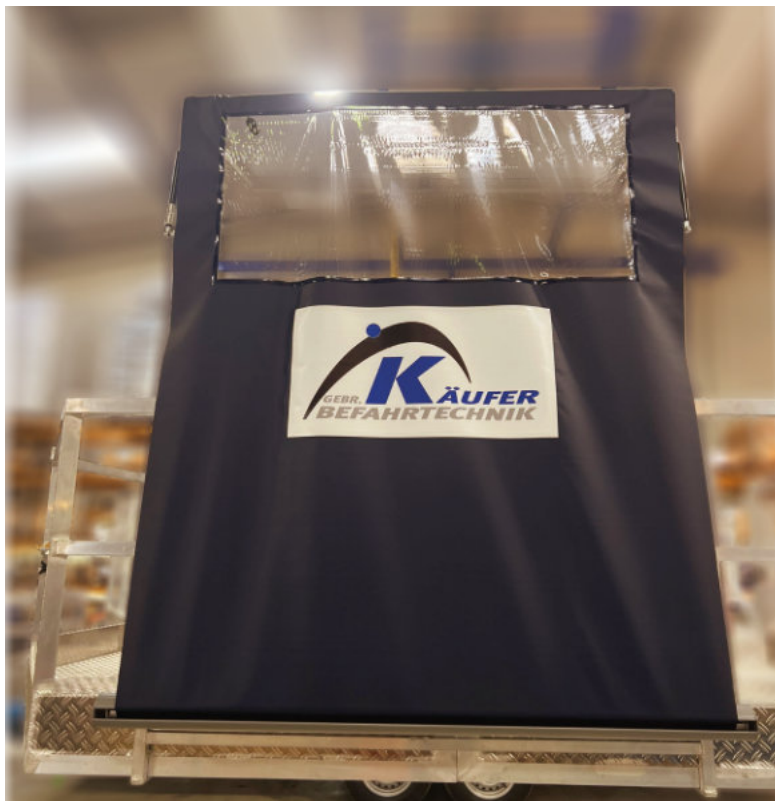
With an all-around 360° access, the K-BP-2L also offers sliding platforms & folding parts, which help you move closer to the blade surface.



Get comfortable with our attachments

For our innovative K-BP-2L, Käufer also offers additional accessories to make your working time more favorable. Our 2m „flex protect“ is easy to mount-dismount, and carry. It is an excellent option to cover your repair and technicians in case of strong sunlight or light rain. In addition to that, we provide three-stage IR heaters and extra lightning so your work can be completed even if it is a dark, cold evening.

The setup time is less than 20 minutes, requires a single person, and is a toolless assembly. Käufer is also soon bringing a completely closed „flex shelter“ option for our customers.





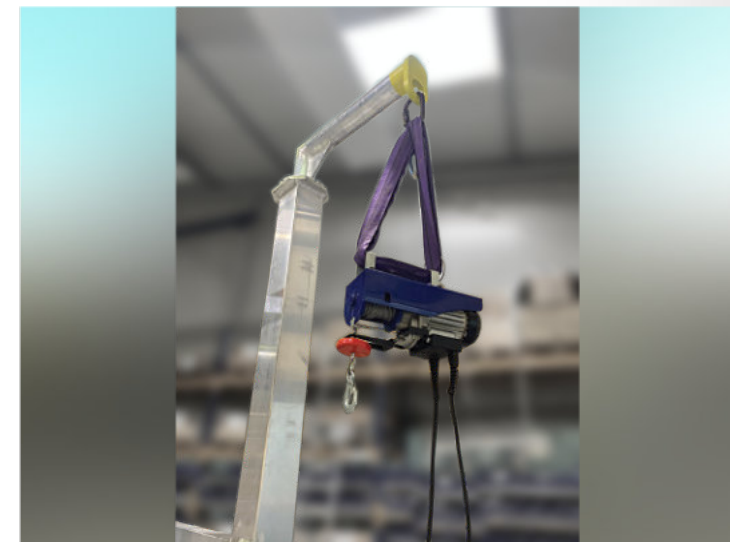
Permanent protection roller

In addition to four mobile rollers with K-BP-2L, we also provide extra permanently mounted rollers at the front side of the platform. It protects and guides, leading the edge of the blade smoothly.



Remote control

The K-BP-2L can be operated using a remote control. We also provide a control panel on the control box in case of remote control loss or damage.



Lifting / rescue bar

Every K-BP-2L is equipped with a rotating arm, which can be used to lift material up to 150kg. In case of an emergency, person rescue is also possible.



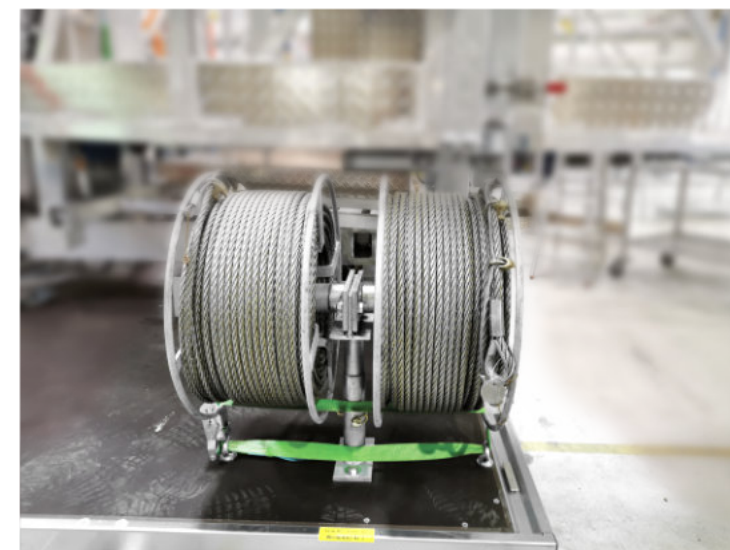
Blade tip holder

Working at the tip is the most vibrating experience in the total operation. To minimize this vibration and provide stable support, we offer blade tip holders.



Simple is better

The Platforms is a complex structure, and they need to operate in remote areas. With this in mind, we have kept our electrical control box as simple as possible and provided important spare parts directly in the box.



Rope carousel

We provide this carousel where 4x 10 mm ropes are wound to make rope installation easier and faster. It is also helpful when ropes get mingled.

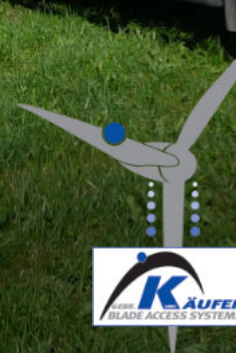
Dead weight	1600 kg
Working load	400 Kg (max 3 persons and material)
Drive unit / Winches	2 -1150 Kg (X1140) for Canada & Japan 2-1000(X1030) for Europe & USA
Fall arrest devices	2- BSO 1040 / 2-BSO 1030
Suspension & safety ropes	4x 11.5 mm & 4x 10 mm
Tip-tower clearance	min. 0.5 m to max. 13.5 m
Operating temperature and wind speed	-10 °C to +50 °C and Wind max. 12 m/s
Maximum Hub Height	200 m

Power	400 V/50-60 Hz/32A
Input power requirement	Min 13 kVA
Power cable	5x4 mm² IP 44
Control system	Remote control & panel on control box
Assembly Time	30 min. + Rope installation
Material platform and Suspension frame	Aluminium structure and galvanised steel suspension frame
Protection class	IP55
Certification	DIN EN 1808:2015 Certified by TÜV Rheinland
Manufacturing & Delivery Place	Hückeswagen, Germany

Dimension Transport mode	6120 x 2480 x 2914 mm
Height on trailer	3900 mm
Weight on trailer	3500 Kg

Efficient logistic on 3.5 t trailer

Any service van can transport the K-BP-2L with a pulling capacity of 3.5 t. The Platform is dismantled on a standard 3.5 t trailer with a brake light connection. The transport on a trailer fulfills all requirements of European transport regulations and doesn't require any special permit or changes. We also ship K-BP-2L on Mafi trailer to other continents after order.



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