



Venetian blind drive JA 10 NHK

Mounting instructions



	WARNING!
	For the safety of persons it is important to follow these instructions!

Exclusion of liability:

It is essential to observe these operating instructions for use if the venetian blind drive is to be used safely and if the various product characteristics and performance features are to be achieved. elero GmbH assumes no liability for personal injuries, property damages and financial losses that arise from non-observance of the operating instructions. Liability for material defects is excluded in such cases.

Venetian blind drives are designed exclusively for driving Venetian blinds.

Target group

All installation, commissioning and troubleshooting work must be carried out by an electrician.

The electrical connection must be carried out by a qualified electrician.

(Please observe IEC 60364 and/or CENELEC HD 384 or DIN VDE 0100 and IEC 60664 or DIN VDE 0110 and national accident prevention regulations).

An electrician in the sense of these general safety instructions is a person acquainted with the assembly, installation and commissioning of the product with appropriate qualifications. All work in the other areas, for example operation and disposal, must be carried out by suitably instructed persons.

Functional description

The Venetian blind drive JA 10 NHK is designed for blinds which can be operated both mechanically and manually.

For operating the drive, a suitable differential gear is required.

Scope of supply

- Venetian blind drive JA 10 NHK
- Differential gear ("in the window" or "outwith the window")
- Coupling set 11 mm hexagonal 26 514.0002
- A/F7 shaft 325 mm 16 103.5501 (only for outwith the window versions)
- A/F11 shaft 300 mm bored 16 103.5301 (only for outwith the window versions)
- Washer B 8.4 DIN 125 10 107.0108

Spare parts (supplied by customer)

- Self-locking crankshaft drive
For the "in the window" version, the maximum width of the crankshaft drive is restricted to 45 mm.
The crankshaft drive must have a mechanical spindle lock in order to avoid damage during manual operation.

General safety instructions

	WARNING!
	<p>Observe the following safety instructions. Failure to observe them can lead to bodily injuries!</p> <p>General</p> <ul style="list-style-type: none"> • Never install or commission devices which are damaged. • Never hammer the drive as this will damage the bearings and housings. • Only use unmodified original elero parts or the replacement parts recommended by the Venetian blind manufacturer. • If the device is opened without permission or used in an improper manner, or if it is incorrectly installed or operated, there is a risk of damage to persons and property. <p>Installation</p> <ul style="list-style-type: none"> • All installation work must be carried out by a electrician. • This electrician must be suitably qualified. • Note any country-specific conditions when installing the device. • The device may only be used by persons who have read and understood the operating instructions. <p>Operation</p> <ul style="list-style-type: none"> • If one or more transmitters are used for controlling the system, its operating range must stay visible during operation. • Keep people away from the system until it is at standstill.

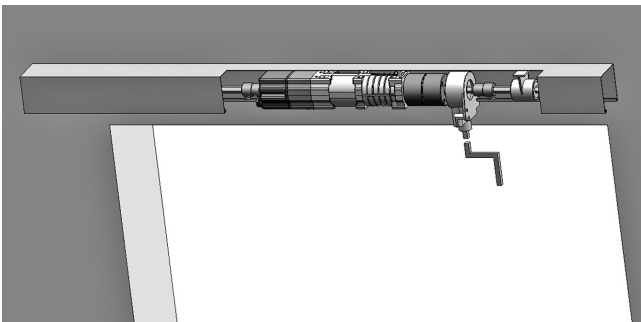
Safety instructions for the electrical connection

 	CAUTION!
	<p>Observe the following safety instructions. Failure to observe them can lead to bodily injuries!</p> <ul style="list-style-type: none"> • Risk of injury due to electrocution. • The connections to the 230 V mains must be made by an electrician. • Before accessing the connection terminals all mains circuits must be switched off. Check that there is no power. • The regulations of the local energy supply company as well as the regulations for wet and damp rooms according to VDE 0100 must be followed when making the connections. • Check the system regularly for wear or damage to connecting cables. • When working on the system (servicing, cleaning), always separate it from the mains supply.

Variants

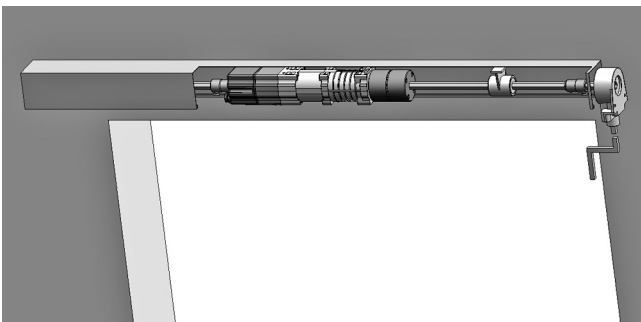
There are two types of drive or differential gear.
Manual crankshaft drive "in the window" and "outwith the window"
This information must be provided when ordering, because the two differential gears are fundamentally different.

Crankshaft drive in the window



The crank for manual operation is located in the window between the drive and the last tape reel.

Crankshaft drive outwith the window



The crank for manual operation is located outwith the window, after the last tape reel and at the end of the head rail.

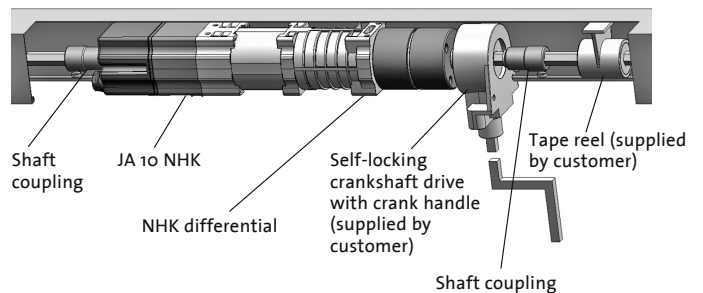
Variants

- Install the drive in such a way that the differential gear points in the direction of the manual crankshaft drive.
- The amount of space required for the drive plus the differential gear and coupling is 370 mm.
- Fixing and setting the limit switch are the same as with standard Venetian blind drives.
- For mounting and fitting of the customer's own crankshaft drive on the shaft and in the channel, refer to the manufacturer's instructions.

The crankshaft drive, adjusting rings and tape reel are not components supplied by elero GmbH.

Fitting of crankshaft drive in the window

The drive is supplied complete with the A/F 11 shaft and the A/F 7 shaft fitted.
This restricts the maximum width of the crank mechanism to 45 mm.



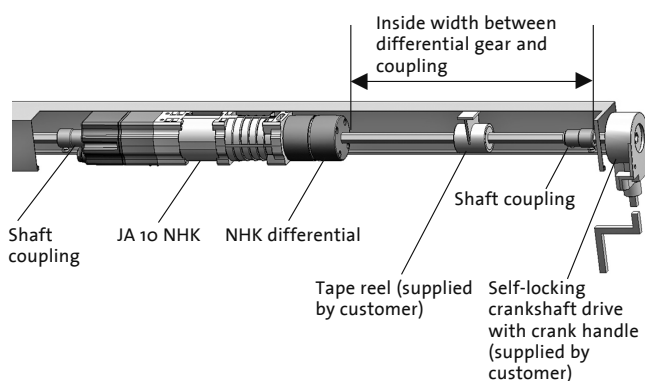
Assembly

1. Remove the JA coupling from the gear using screwdriver size 0.
2. Push the manual crankshaft drive onto the A/F 11 shaft.
3. Replace the JA coupling onto the shaft.
4. Insert the drive into the channel.
The position of the manual crankshaft drive is determined by the installation position.
5. Insert the connecting shaft for the tape reels.

Fitting crankshaft drive outwith the window

The drive is supplied with a A/F 11 shaft (300 mm) and a A/F 7 shaft (325 mm) which are not fitted.
This enables the shafts to be shortened if necessary.

Note
<p>Longer shafts are not permitted due to the torsional forces which occur. The A/F 7 shaft must always be exactly 25 mm longer than the A/F 11 shaft. Only then can it be guaranteed that the A/F 7 shaft does not block the gear.</p>



Assembly

1. Insert the drive into the channel.
The differential gear must point in the direction of the crankshaft drive.
2. Ensure the A/F 7 shaft and the A/F 11 shaft are of the desired length.

Length of shafts:

Measure the internal width between the differential gear and the end of the coupling.

Length of A/F 11 shaft = internal width – 27 mm

Length of A/F 7 shaft = A/F11 shaft + 25 mm

Note
<p>The shafts are not secured in an axial direction. Secure the shafts using adjusting rings on the tape reel. (These are not included in the items supplied).</p>

3. Insert the A/F 11 shaft into the differential gear through the last tape reel.
There must be no direct connection between the A/F 11 shaft and the crankshaft drive.
The connection is made using the A/F 7 shaft.
4. Fit the JA coupling onto the A/F 7 shaft.
5. Push the flat washer onto the A/F 7 shaft.
6. Slide the A/F 7 shaft into the A/F 11 shaft.
7. Fit the crankshaft drive with the appropriate A/F 11 shaft.
8. Secure the A/F 11 shaft in the axial direction.

Notes on repair

Please contact us if you are unable to eliminate a problem. When contacting our service team, please always state the article name and number from the type plate.

When sending in the device for repair, please state the following:

- Article number
- Article description
- Name of the connected controller
- Type of fault
- Accompanying conditions
- Own presumption
- Previously occurring unusual events

Repair address:

elero GmbH
Drive technology
Linsenhofer Str. 59-63

72660 Beuren

Telephone: 0 70 25-13-0

Fax: 0 70 25-13-212

If you require a contact person outwith Germany, visit our website

www.elero.com

Disposal

Please observe the current national regulations. Dispose of according to the condition and existing regulations.

e.g. as:

- Electrical scrap (PCB)
- Plastic (Housing parts)
- Sheet metal
- Copper

