

Instructions for lifting Neles products

General guidelines

Never stand underneath a suspended load!

Watch out for swaying or rotating as the load is lifted off the ground!

- Always use a suitable lifting equipment and supports. Make sure that the devices are in good condition before lifting loads.
- Check the weight of the load from the waybill, the valve brochure or the manual.
- Leave the valve in its transit container (on the pallet) for as long as possible. Use the pallet to move the valve to the installation site.
- Try to locate the load's centre of gravity and prepare yourself for how the load will behave to ensure balanced lifting. Lift the valve in the position in which it will be installed.
- Practise with the lifting equipment. First, lift the load only slightly off the ground and then check that all supports are securely attached and that the load is in balance.
- If necessary, lower the load back to the ground and adjust the supports.
- As you lower the load, make sure that the load does not fall over when you undo the supports.
- Make sure that there is nothing in the way of the load and that it can be lifted safely. Also make sure that the space reserved for the installation of the valve is sufficiently large.
- Beware of the conditions of the installation site, as surfaces may be slippery, for example, and also allow for other installation work taking place nearby.
- Machined body can damage the lifting rod.
- Ensure that staff who take part in the lifting process have sufficient training for the job.
- Lift the load at an even pace to avoid swaying. Never leave the load suspended in mid-air.
- Make sure that the valve and the actuator are correctly in place before detaching the supports.
- Unauthorised access to the lifting area is strictly prohibited.
- Contact your shipper immediately if there is shipping damage
- Always secure the lifting to the body, never to the actuator; otherwise the shaft may be damaged
- For further information about the products, see Installation, Maintenance and Operating Instructions, www.neles.com/products/ or contact your local Neles sales office.

Lifting the actuator

To lift the actuator, attach a lifting eyebolt to one or both of the actuator's stop screws. (Figures 1...4)

Larger models have hooks to facilitate attaching lifting instruments.

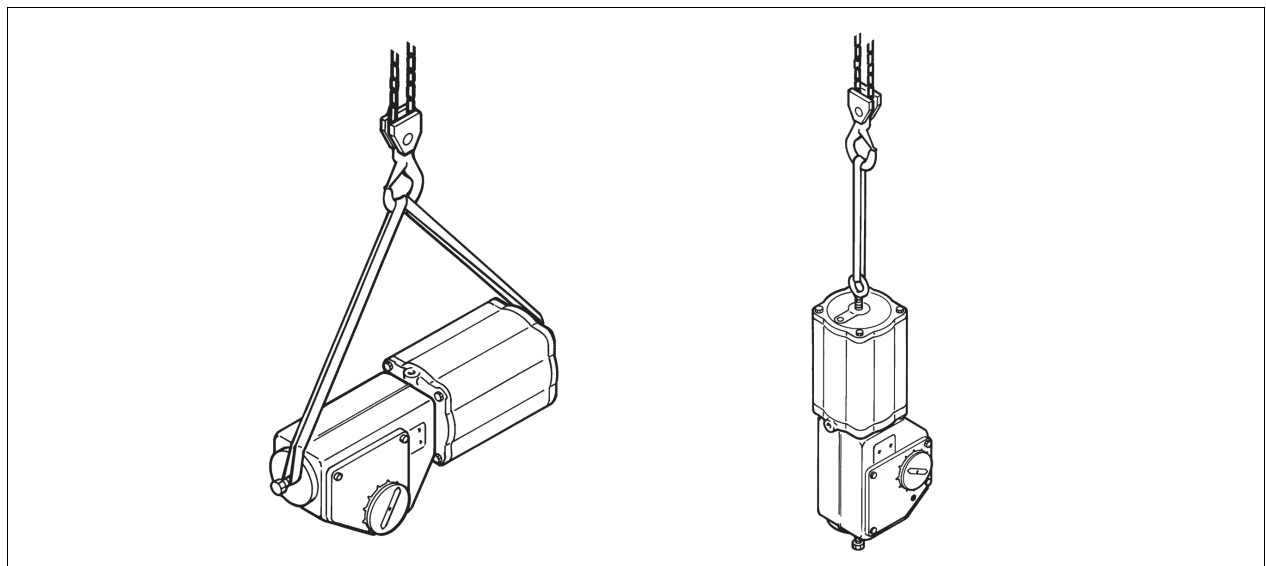


Fig. 1 B1-series actuator

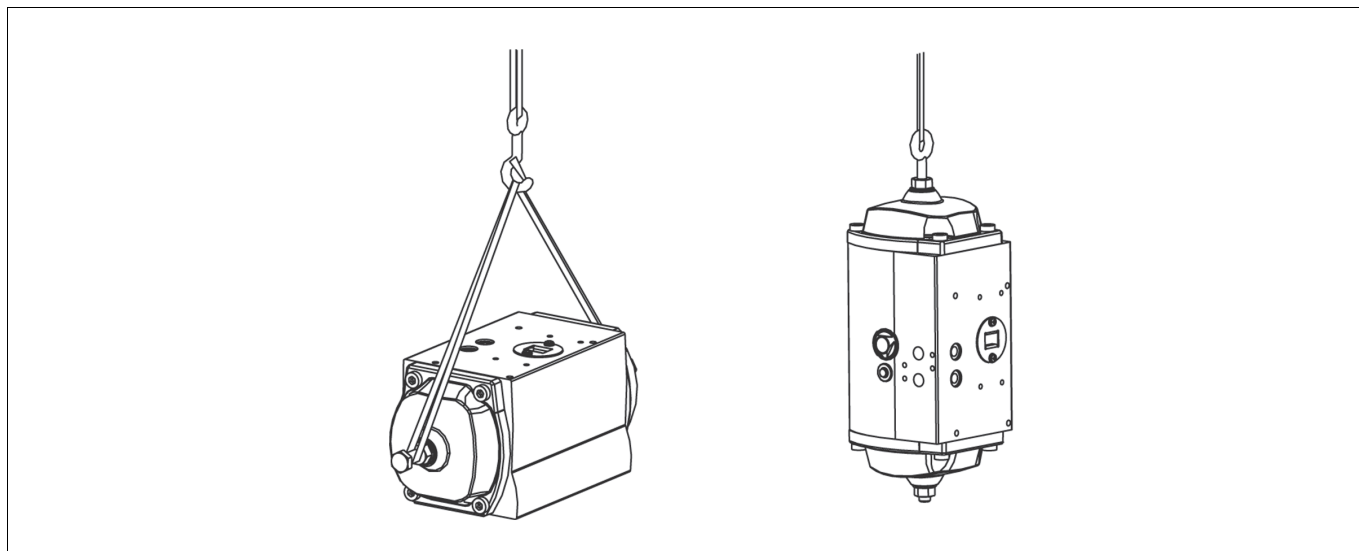


Fig. 2 Double action actuator.

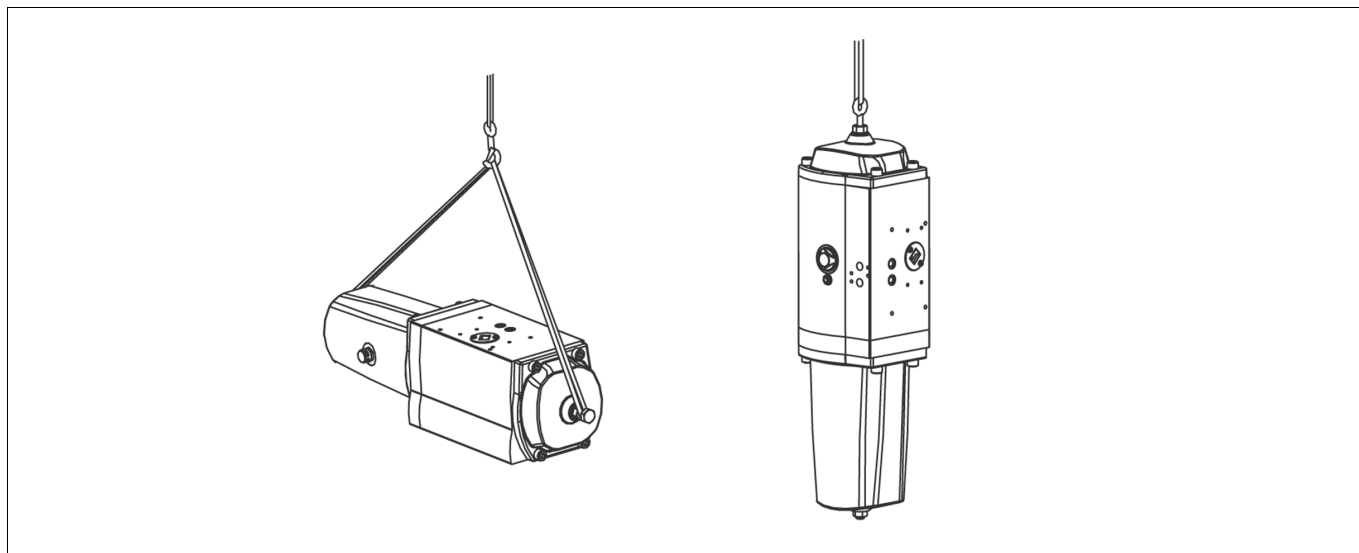


Fig. 3 Spring return actuator

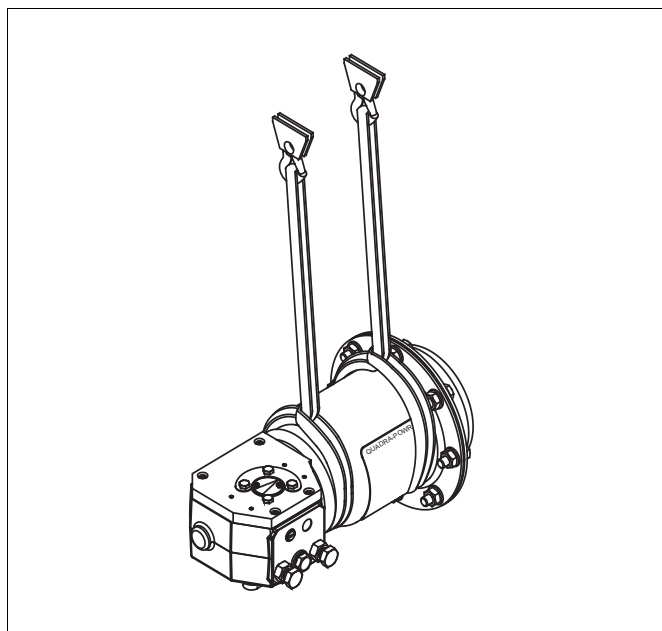


Fig. 4 Spring Diaphragm Actuator

Lifting the valve/actuator assembly

Never lift the valve-actuator assembly from the actuator. The lifting equipment should be attached to the body of the valve and the supports to the actuator. This prevents the assembly from toppling over or rotating and helps to avoid injuries or damage to property. (Figures 5...12)

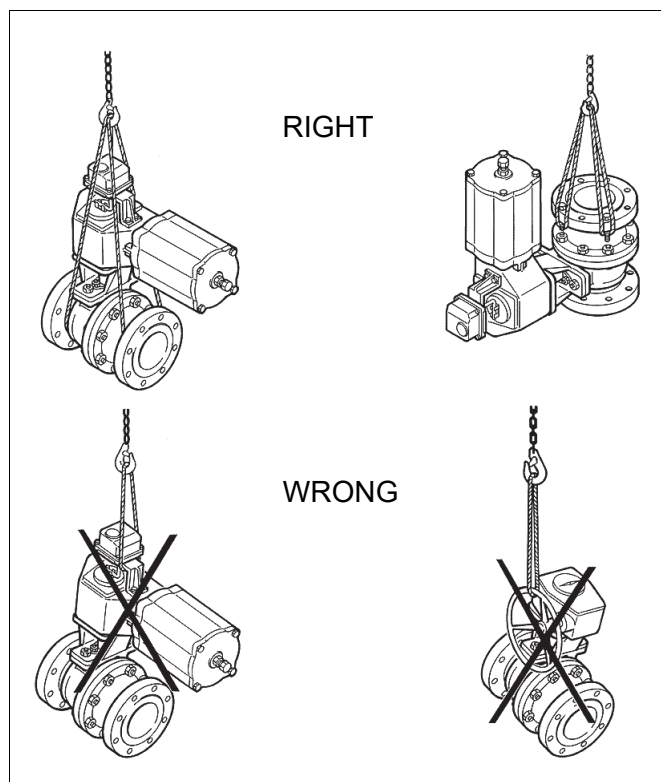


Fig. 5 Valve combination with a ball valve

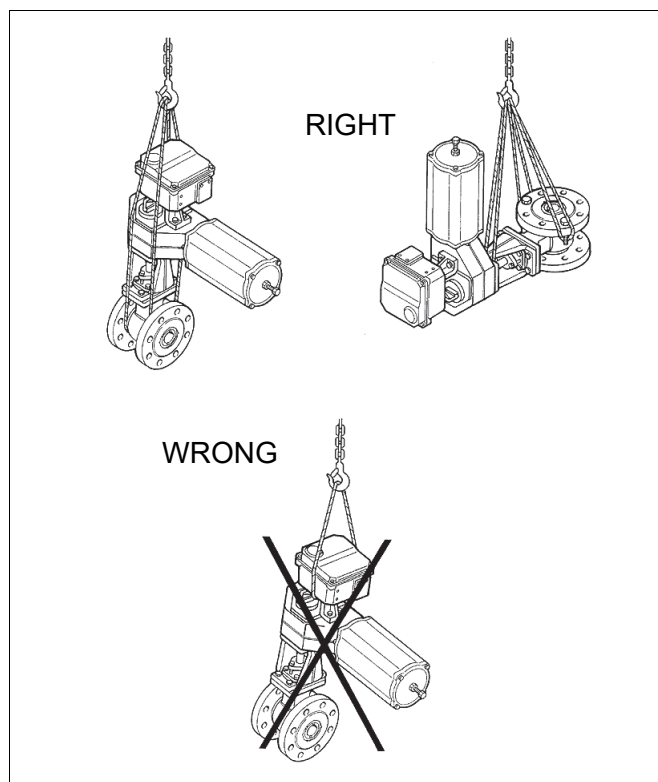


Fig. 6 Valve combination with Finetrol

The assembly can be lifted from the body of the actuator and from the connecting block between the valve and the actuator. (Figures 7 and 8)

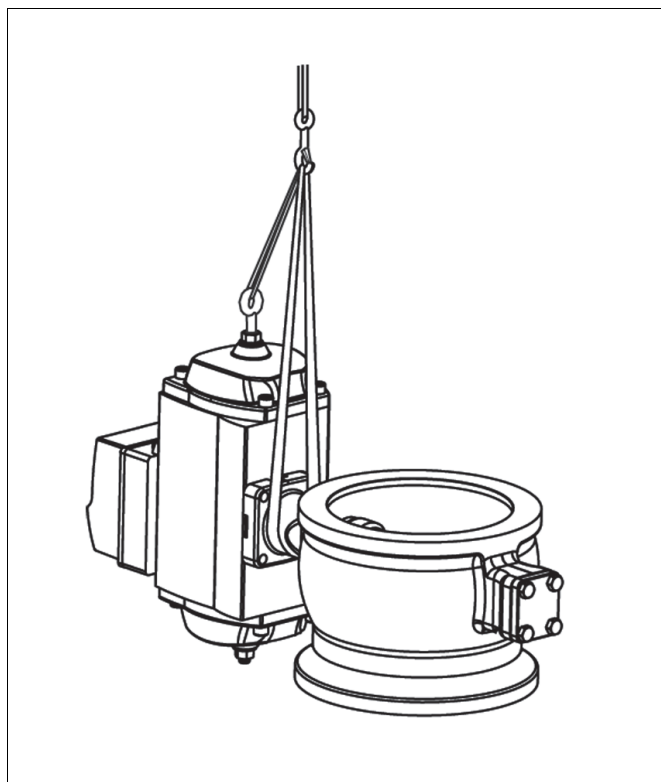


Fig. 7 Valve combination with a segment valve

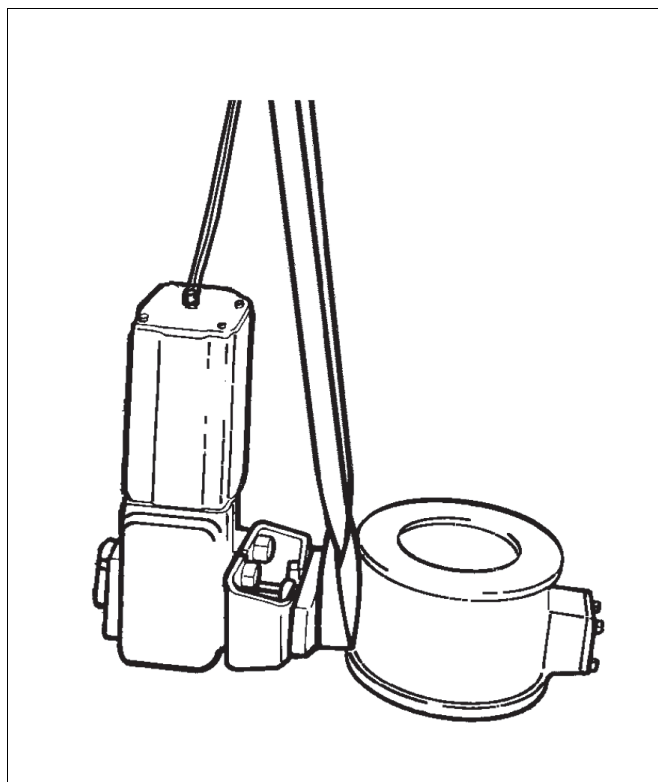


Fig. 8 Valve combination with a segment valve

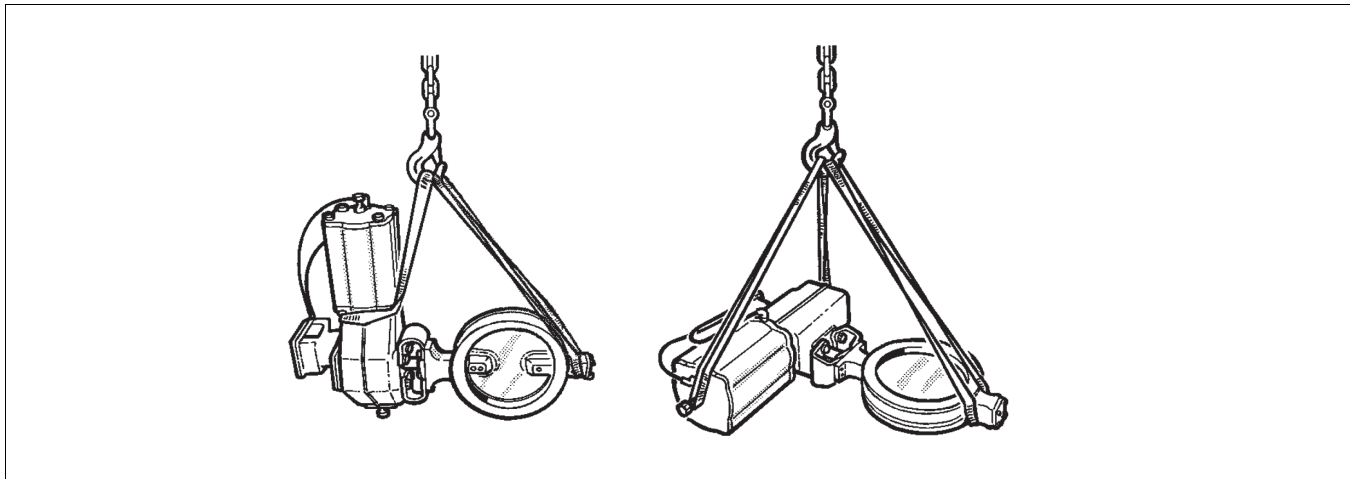


Fig. 9 Valve combination with a butterfly valve

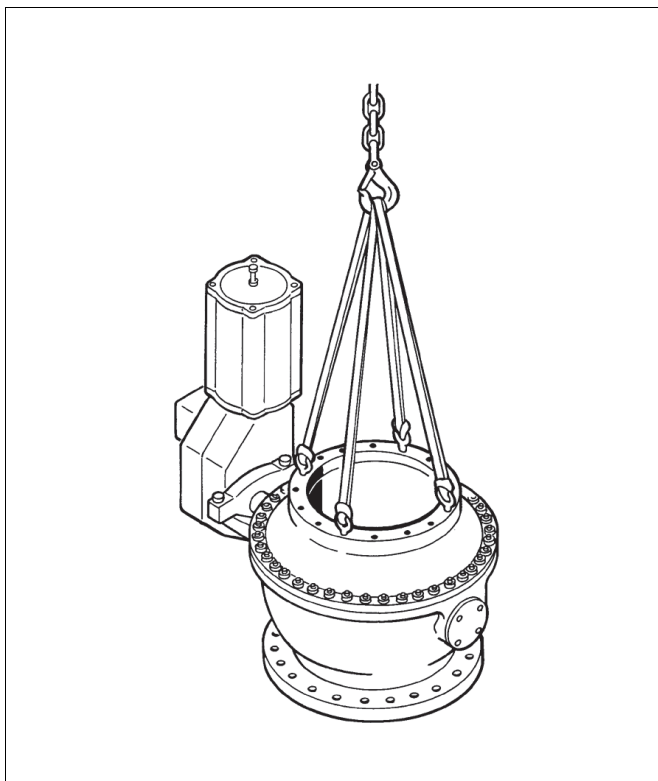


Fig. 10 Capping valve combination.

Some valve models come with hooks to facilitate attaching lifting instruments. (10 and 11).
Some valve types are equipped with a bottom thread at the bottom using a lifting eye bolt.
Secure the strength of the lifting bolts, lifting hooks and the lifting eye bolts.

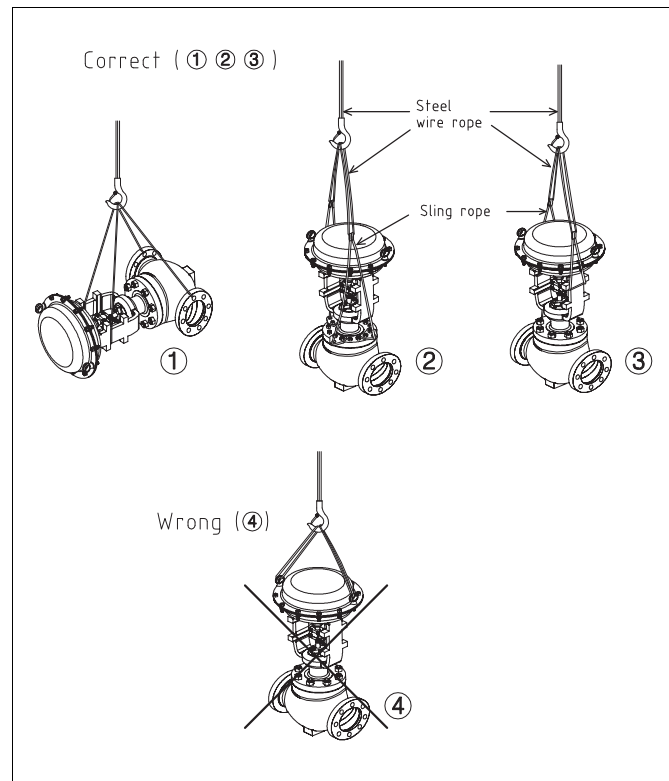


Fig. 11 Globe valve combination.

*. Only acceptable case-4, when lift and move the valves;
1) up to 10"- 300# body with VD (Diaphragm type) actuators
2) up to 12"- 300# body with VC (Cylinder type) actuators
In the above two cases the lifting is limited to max. height of 1.0 m and max. moving distance of 70 m.

Subject to change without prior notice.

Neles, Neles Easyflow, Jamesbury, Stonel, Valvcon and Flowrox, and certain other trademarks, are either registered trademarks or trademarks of Valmet Oyj or its subsidiaries in the United States and/or in other countries.

For more information www.neles.com/trademarks

Valmet Flow Control Oy

Vanha Porvoontie 229, 01380 Vantaa, Finland.

Tel. +358 10 417 5000.

www.valmet.com/flowcontrol

