

Storage and transport instructions

For Screw jacks, worm gears, helix gears and
electromechanical cylinders.

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1. Screw jacks

1.1 Storage below 50% relative humidity, up to 24 months.

- The screw jack should not be exposed to rain, ozone or solar radiation which can cause premature aging of the rubber components.
- The ambient temperature must be kept in the range 0 to +30° C
- The relative humidity should always be kept below 50% to minimise condensation on the screw jack.
- Long spindles must be stored in a way that they do not become crooked due to their own weight.
- The screw jack should be filled with lubrication(standard on Swedrive).
- The screw jacks input shafts should if possible be rotated several turns every 6 months to minimize the risk of sealing rubber getting stuck on shafts and that oil that has separated from the lubricant get mixed in to the lubricant again.
- The screw jack should be inspected 1 time every 6 month for leakage and corrosion. If any leakage or corrosion could be detected, contact Swedrive.

1.2 Storage 50-70% relative humidity, up to 24 months.

- The screw jack should not be exposed to rain, ozone or solar radiation which can cause premature aging of the rubber components.
- The ambient temperature must be kept in the range 0 to +30° C
- The relative humidity should always be kept below 70% to minimise condensation on the screw jack.
- Long spindles must be stored in a way that they do not become crooked due to their own weight.
- The screw jack should be filled with lubrication(standard on Swedrive).
- The screw jacks input shafts should if possible be rotated several turns every 6 months to minimize the risk of sealing rubber getting stuck on shafts and that oil that has separated from the lubricant get mixed in to the lubricant again.
- The screw jack should be inspected 1 time every 6 month for leakage and corrosion. If any leakage or corrosion could be detected, contact Swedrive.

For screw jacks incl. trapetzoidal/ballscrew where **not all external surfaces are surface treated** or in rustproof material, one of the following points must be fulfilled.

- The screw jack is packaged in a well sealed rust protection bag.
- External surfaces that is not surface treated are smeared with anti-corrosion agent, grease or similar.

1.3 Storage in difficult conditions or longer than 24 months

For storage in difficult conditions; e.g. relative humidity is above 70% or more than 24 months, contact Swedrive.

2. Worm gears / helix gears

2.1 Storage below 50% relative humidity, up to 24 months.

- The worm gear / helix gear should not be exposed to rain, ozone or solar radiation which can cause premature aging of the rubber components.
- The ambient temperature must be kept in the range 0 to +30° C
- The relative humidity should always be kept below 50% to minimise condensation on the worm gear / helix gear.
- The worm gear / helix gear should be filled with lubrication(standard on Swedrive).
- The worm gears / helix gears input shaft should if possible be rotated several turns every 6 months to minimize the risk of sealing rubber getting stuck on shafts.
- The worm gear / helix gear should be inspected 1 time every 6 month for leakage and corrosion. If any leakage or corrosion could be detected, contact Swedrive.

2.2 Storage 50-70% relative humidity, up to 24 months.

- The worm gear / helix gear should not be exposed to rain, ozone or solar radiation which can cause premature aging of the rubber components.
- The ambient temperature must be kept in the range 0 to +30° C
- The relative humidity should always be kept below 70% to minimise condensation on the worm gear / helix gear.
- The worm gear / helix gear should be filled with lubrication(standard on Swedrive).
- The worm gears / helix gears input shaft should if possible be rotated several turns every 6 months to minimize the risk of sealing rubber getting stuck on shafts.
- The worm gear / helix gear should be inspected 1 time every 6 month for leakage and corrosion. If any leakage or corrosion could be detected, contact Swedrive.

For worm gears / helix gears where **not all external surfaces are surface treated** or in rustproof material, one of the following points must be fulfilled.

- The worm gear / helix gear is packaged in a well sealed rust protection bag.
- External surfaces that is not surface treated are smeared with anti-corrosion agent, grease or similar.

2.3 Storage in difficult conditions or longer than 24 months

For storage in difficult conditions; e.g. relative humidity is above 70% or more than 24 months, contact Swedrive

3. Electromechanical Cylinders

3.1 Storage below 50% relative humidity, up to 24 months.

- The electromechanical cylinder should not be exposed to rain, ozone or solar radiation which can cause premature aging of the rubber components.
- The ambient temperature must be kept in the range 0 to +30° C
- The relative humidity should always be kept below 50% to minimise condensation on the electromechanical cylinder.
- The electromechanical cylinder should be filled with lubrication(standard on Swedrive).
- The electromechanical cylinder input shaft should if possible be rotated several turns every 6 months to minimize the risk of sealing rubber getting stuck on shafts.
- The electromechanical cylinder should be inspected 1 time every 6 month for leakage and corrosion. If any leakage or corrosion could be detected, contact Swedrive.

3.2 Storage 50-70% relative humidity, up to 24 months.

- The electromechanical cylinder gear should not be exposed to rain, ozone or solar radiation which can cause premature aging of the rubber components.
- The ambient temperature must be kept in the range 0 to +30° C
- The relative humidity should always be kept below 70% to minimise condensation on the electromechanical cylinder.
- The electromechanical cylinder should be filled with lubrication(standard on Swedrive).
- The electromechanical cylinder input shaft should if possible be rotated several turns every 6 months to minimize the risk of sealing rubber getting stuck on shafts.
- The electromechanical cylinder should be inspected 1 time every 6 month for leakage and corrosion. If any leakage or corrosion could be detected, contact Swedrive.

For electromechanical cylinders where **not all external surfaces are surface treated** or in rustproof material, one of the following points must be fulfilled.

- The electromechanical cylinder is packaged in a well sealed rust protection bag.
- External surfaces that is not surface treated are smeared with anti-corrosion agent, grease or similar.

Note:

On Swedrives standard electromechanical cylinders, all external surfaces are surfaces treated except the worm screw surface.

3.3 Storage in difficult conditions or longer than 24 months

For storage in difficult conditions; e.g. relative humidity is above 70% or more than 24 months, contact Swedrive

4. Transport

4.1 General

During transporting, make sure that the screw jack/worm gear/mech. cylinder is not exposed to rain, ozone, solar radiation and that the temperature is in the range of -25 to +35 °C.

For transports longer than 7 days, air transports, sea transports or in other difficult conditions and the screw jack/worm gear/mech. cylinder has **external surfaces that are untreated** or not in rustproof materials, one of the following points must be fulfilled.

- The screw jack/worm gear/mech. cylinder is packaged in a well sealed rust protection bag.
- External surfaces that is not surface treated are smeared with anti-corrosion agent, grease or similar.

4.2 Air transport

When the screw jack/worm gear/mech. cylinder is air transported, we recommend transports that are temperature regulated to 0 till +35 °C and that the air pressure not differ more than 0.3 bar against normal atmospheric pressure(1 bar). This is done to prevent that the pressure difference dislocates sealing caps and sealings. The lubricant can also take damage at too low temperatures. If greases are subject to pressure and low temperature you could also get an increased separation of oil from the grease.

4.3 Transport in difficult conditions or longer than 2 months

When transporting the screw jack/worm gear/mech. cylinder in difficult conditions or transports longer than 2 months contact Swedrive.