

OPERATOR'S MANUAL

DOZER BLADE City Ranger 2200



EGHOLM

Dear Customer

Congratulations with your Egholm product.

The City Ranger 2200 is a Danish designed and manufactured product which offers a very flexible way of maintaining outdoor areas.

Optimal use of your City Ranger 2200 Dozer Blade

To ensure the optimal performance of your City Ranger 2200 Dozer Blade, please read this operator's manual carefully before starting to use the machine. Failure to do so can result in personal injury and damage to the machine.

Safety:

The Dozer Blade is equipped with various devices to ensure optimal operational safety both for the user and the surroundings. We therefore ask you to pay particular attention to Safety section 1.1. The machine must only be serviced by professionals.

The Dozer Blade is designed only for use by professionals. On delivery, the user will receive thorough training to become a competent operator.

Do not lend the machine to anyone who has not been thoroughly trained and has not read this manual carefully.

The operator's manual should be considered a permanent part of the machine and so must remain with it if the machine is sold.

Warnings:

Some items in this operator's manual are marked with this warning symbol. The warning indicates areas where extra care has to be taken to avoid personal injury or damage to the machine and its accessories. The warning also shows what you should pay special attention to.



Reservations:

As it is the Egholm policy to make continuous improvements, we reserve the right to alter the specifications and equipment at any time without notice. Nifisk-Egholm A/S accepts no liability for errors or omissions in the operator's manual.

Contact us:

Do not hesitate to contact Egholm A/S should you have any questions regarding your new Egholm product.

Best regards
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The Dozer Blade truly shows the strength and power of the City Ranger 2200. The machine, with its four-wheel drive and carefully designed weight distribution pushes snow effortlessly away.

Hydraulically adjustable, the Dozer Blade pushes the snow to whichever side you choose, and can be ingeniously combined with the Salt and Sand Spreader to make icy patches safe at the same time.

To protect both the surface and the machine, the Dozer Blade is fitted as standard with a safety tilt system and a rubber scraping edge.

The rubber scraping edge is ideal for use with melting snow and also scrapes the surface thoroughly without damaging it.

Useful tips

Adjust the skids according to surface conditions. In case of many raised edges, set the skids high so they do not cut into the edges.

Use the Dozer Blade for big drifts. The Dozer Blade removes most of the snow. The Snow Sweeper finishes off the job.

Ensure the snap couplings are clean before fitting, as this protects the hydraulic system.

Daily cleaning and maintenance will extend the lifetime of both the machine and the attachment.

General information

1.1 Safety



Make sure no one is standing close to the machine while it is in use.

Make sure that no one is near the machine while it is in use as there is a danger of crushing.



Attention:

As it is articulated, the rear end of the machine swings out when turning. Make sure that no one is standing near the machine while it is in use. (Picture 1)



The Dozer Blade swings to the side when the joystick is moved left or right. Make sure that no one is standing near the machine while it is in use. (Picture 2)



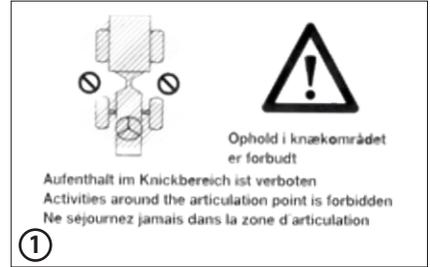
Avoid crushing fingers:

Keep your hands and fingers away from areas where there is a danger of crushing.



Avoid roll-overs:

Do not drive the machine in a place where it can slide, tip or roll. Do not drive on slopes with an incline of more than 10°. (Picture 3)



Prevent people from standing in the working area.



Joystick



Do not drive on slopes with an incline of more than 10°

1.2 EC Declaration of Conformity for Machinery

Manufacturer: **Egholm A/S**
Address: **Transportvej 27 · DK-7620 Lemvig**
Telephone: **+45 97 81 12 05**

herby declares that

Machine: **Dozer Blade**
Type: **22DZ13**

· has been manufactured in conformity with the provisions of the Machinery,
Directive 2006/42/EU

Place: **Lemvig**

Date: _____

Signature:



Knud Olsen, Senior Engineer

1.3 Technical data

Dimensions:	Assembled	Storage dimensions:
Length (L):	2,850 mm	500 mm
Width (W):	1,300 mm	1,300 mm
Height with cab (H):	1,960 mm	545 mm

Technical data:

Type description:	22DZ13
Weight of Dozer Blade:	66 kg
Clearing width:	1,300 mm
Ground clearance below scraping edge, lifted:	420 mm
Ground clearance below skids, lifted:	370 mm
Adjuster discs per skid:	8

Attention:

Specifications may be changed without prior notice

2.1 Assembly / Disassembly

1. The locking handle on the A-frame of the basic machine must be in the unlocked position. (Picture 1)
2. Drive the basic machine right up to the A-frame of the Dozer Blade, so the A-frames fit into each other. (Picture 2)
3. Raise the A-frame by pulling the joystick back until the Dozer Blade is suspended and free of the ground.
4. Stop the machine.
5. Lock the Dozer Blade in place with the locking handle on the A-frame. (Picture 3) The locking handle can only be engaged when the machine has been stopped.

Disassembly:

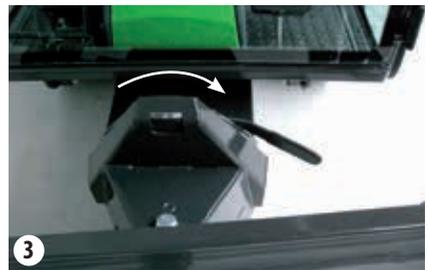
Follow the procedure for fitting in reverse order.



Locking handle



Attaching



Locking

2.2 Important before start-up

During transport:

Lock the Dozer Blade in the raised position using the transport lock. This prevents the equipment from lowering during transport.

How to use the transport lock:

Move the handle into the uppermost position. Lift the A-frame by moving the joystick up. As the A-frame lifts the transport lock is automatically activated. (Picture 1)

How to use the transport lock:

Unhitch the handle and lift the A-frame to uppermost position. The equipment can now be lowered again. (Picture 2)

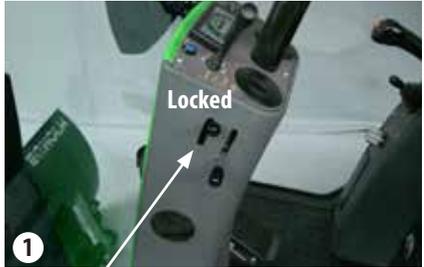
2.3 Start-up

1. Start the machine.

2. Lower the Dozer Blade by moving the joystick down. (Picture 3)

3. Activate the weight distribution with the red button on the joystick. (Picture 4) The Dozer Blade will now adjust to ground conditions. To adjust the weight distribution read the operator's manual for the basic City Ranger 2200 machine.

4. Turn the Dozer Blade by moving the joystick to the left or to the right. The Dozer Blade swings in the same direction as the joystick.



Transport lock in locked position



Transport lock



Joystick



Weight distribution



Attention!

Make sure no one is standing close to the machine while it is in use.



N.B!

When turning, the rear of the machine swings out, so there is a risk of crushing or collision.



Warning!

Collision with solid obstacles – such as kerbstones – may damage the dozer blade. This damage may cause bolts to snap or parts of the dozer blade to bend. Damage of this type is not covered by the warranty.

2.4 Adjustment

Adjust the skids according to surface conditions. If there are a lot of raised edges set the skids high so they do not cut into the edges.

The scraping height is adjusted by changing the number of adjuster discs between the skid and the scraper guard.

Adjusting the scraping height:

1. Raise the Dozer Blade by pulling the joystick up. (Picture 1)
2. Lock the Dozer Blade in the raised position with the transport lock. (Picture 2)
3. Stop the machine.
4. Remove the locking ring on the skid, take off the skid and place the required number of adjusting discs between the skid and the scraper guard (the same number on both skids). (Picture 3)
5. Fit the skid and put the remaining adjuster discs on the skid above the scraper guard.
6. Put the locking ring back on the skid.



The Dozer Blade is raised using the joystick



Transport lock



Adjuster discs

Remaining adjuster discs

Service and maintenance

3.1 Cleaning

Daily cleaning and maintenance will extend the lifetime of both the machine and the attachment.

After use clean the Dozer Blade with clean water. Avoid high pressure cleaning of the snap couplings.

Open the flap over the snap couplings. Use pressurised air to clean around the snap couplings. The couplings can be dried with a cloth. (Picture 1) It is important the couplings are intact before the attachment is taken off.



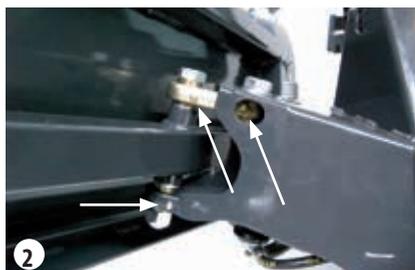
Snap couplings

3.2 Maintenance

Lubricating the bearings:

The bearings in the pivot joint of the Dozer Blade should be greased regularly with good quality grease.

1. Stop the machine.
2. Clean the lubricating nipples and lubricate the bearings until the grease starts to come out of the bearing. (Picture 2)



Location of lubrication nipples

Replacing the scraping edge:

The scraper at most can be worn down to the scraper guard.

1. Lift the Dozer Blade to the uppermost position and lock with the transport lock. (See 2.2)
2. Stop the machine.
3. Remove the nuts and bolts holding the scraper edge and remove the scraper edge. (Picture 3)
4. Fit the new scraper edge by reversing the procedure. New scraper edges and skids can be ordered from an authorised Egholm distributor.



Nuts holding the scraper edge

Storage outside the season:

When the Dozer Blade is to be stored outside the season, it is recommended to remove any loose paint and to repaint any damaged areas.

It is recommended the equipment is greased / sprayed with protective lubricant.

4.1 Warranty

The warranty period for the materials and manufacture of this Dozer Blade is 12 months from the date of purchase. In case of errors or defects on the machine within the warranty period, Egholm A/S will carry out the necessary repairs at no charge to the customer, including materials and working hours, in accordance with the terms and conditions listed below.

The scope of warranty:

1. The Egholm warranty is only valid on presentation of the original receipt supplied with model description, serial number and date of purchase.
2. Regular checks, adjustments, services and technical alterations are not covered by the warranty.
3. All inquiries concerning the warranty are to be addressed to the place where the machine was purchased.
4. This warranty does not cover faults and defects which cannot be traced back to defects in material or production errors.
5. This warranty is valid for persons who have legally acquired the machine within the warranty period.
6. In the event of failure to perform and substantiate service in accordance with the applicable instructions, Egholm reserves the right to reject any claim made within the warranty period.
7. Egholm A/S reserves the right to make improvements and design-related alterations to the machine without being obliged to modify previously delivered models in relation hereto.

The warranty does not cover:

- Wear and tear, accidents, damage to the equipment caused by operating errors, changes to the construction of the machine or use of non-Egholm spare parts or implements.
- Machines with illegible serial numbers.
- Damage cause by force majeure such as lightning, flood, fire, war, civil disturbance etc., or other causes over which Egholm A/S has no control.

4.2 Complaint

All inquiries regarding the machine should be made at the distributor from whom the machine was purchased. This applies to inquiries concerning normal use, service, maintenance and spare parts as well as any complaints.

We wish you many years of safe and satisfied use of your machine.

Best regards
Egholm A/S

4.3 Disposal

When — in many years from now — your Dozer Blade has reached the end of its working life it should be disposed of in a responsible manner and in compliance with the relevant disposal regulations.

1. Used hydraulic oil is to be disposed of at an approved waste disposal facility or site.
2. Remove all plastic and rubber parts and dispose of.
3. After the parts mentioned have been removed, the machine is ready to be handed over to an approved scrap merchant.

5.1 Spare parts - City Ranger 2200 Dozer Blade



02200060 Spring



09724490 Rubber scraping edge



61200898 Skids



90501921 Break joint



01702020 Removable bearing/Break joint





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