



# Tree shear

[Herder.nl](https://www.herder.nl)





## **Herder**

Herculesweg 6, 4338 PL

Middelburg (NL)

**T:** +31 118 679500

**E:** [info@herder.nl](mailto:info@herder.nl)

[www.herder.nl](http://www.herder.nl)





# Problem-free combinations

Herder tree shears can be used in tough conditions and can be used to cut bushes, branches and even entire trees. Here, two robust gripping arms guarantee a firm grip on the cut material. This allows the cut material to be deposited in a controlled manner. Herder tree shears are available in three models: the KS650, KS730 and the KS860.

## **Long service life and a nice cutting pattern**

The use of high-quality materials and the bearing of the gripper arms and blades guarantees a long service life. The entire construction, as well as the gripper arms and blades, are made of Hardox. Together with the bearings, this guarantees a

long service life. The design of the blades and the choice of cylinders ensures a great cutting pattern without splintering. The attachment of the blades and cylinders allows for efficient and fast work. The tree shears come standard with a catching basket that provides more control over the cut material.





# Tree shears for different excavators



*KS650 with CW10 connection*

Herder has three types of tree shears in its program; the KS650, KS730 and the KS860. The KS650 is suitable for excavators weighing 3 to 8 tons. The KS730 is suitable for excavators from 7 to 10 ton. The KS860 is suitable for excavators with an own weight of 8 to 18 tons.

Both models are designed for cutting large trunk diameters. The KS650 easily cuts tree trunks of Ø20cm, while the KS730 can easily handle logs of Ø25cm. The KS860 can handle trunks of Ø30cm, and with optional larger cylinders even tree trunks up to Ø35cm can be cut.



*KS860 fitted with tilt function*

## **Tilt-function**

If the tree shear is often used to cut branches, a tilt function is useful. The tilt function allows the shear to be positioned perpendicular to the branch. This results in a clean cut. The tilting mechanism is placed between the shear and the excavator connection. The tilting mechanism can swivel 100°, of which 50° is to the left and 50° to the right. The tilting mechanism, in combination with the bucket cylinder, means almost any branch can be cut cleanly.

# Collection gripper

The tree shear can optionally be fitted with a collection gripper. This option is available on all models. This function allows you to cut multiple branches and collect them together. The collection gripper reduces the number of swivel movements the excavator has to make, which leads to enormous time savings when cutting individual branches or small trees and bushes.



*Step 1 of the collection gripper*

The 2 “heavy” gripper arms ensure the branch is held steady during cutting. To cut the next branch, the gripper arms have to open together with the blades. The collection gripper is useful at this stage. The collection gripper must be closed to prevent the cut material from falling. In this way, the cut material is held in place by the collection gripper so that the gripper arms can be opened to cut the next branch.



*Step 2 of the collection gripper*

Repeat the steps above until the collection gripper is full.



*Step 3 of the collection gripper*



# Technical specifications

Dimensions	KS650	KS730	KS860
Excavators	3 - 8 tons	7 - 10 tons	8 - 18 tons
Length	131 cm	135 cm	170 cm
Width knives opened	79 cm	99 cm	108 cm
Opening width	48 cm	70 cm	75 cm
Height	52 cm	101 cm	126 cm
Weight	290 kg	360 kg	560 kg

Required Hydraulics	KS650	KS730	KS860
Connection	Double-acting hydraulic function	Double-acting hydraulic function	Double-acting hydraulic function
Required hydraulic	60-80 l/min at max. 250 bar	60-80 l/min at max. 300 bar	up to 120 l/min at max. 300 bar
Collection Gripper	Extra double-acting hydraulic function necessary (weight 38 kg)	Extra double-acting hydraulic function necessary (weight 38 kg)	Extra double-acting hydraulic function necessary (weight 70 kg)
Additional Gripper	Extra double-acting hydraulic function necessary (weight 135 kg)	Extra double-acting hydraulic function necessary (weight 135 kg)	Extra double-acting hydraulic function necessary (weight 205 kg)
Tilt-function*	2x50 °	2x50 °	2x50 °

\* The tilt function is mounted between the tree shear and the excavator connection.

Cutting capacity	KS650	KS730	KS860
Maximum trunk diameter	160-220 mm**	230-270 mm Standard cylinders**	250-300 mm Standard cylinders**
			300 - 350 mm Optional heavy cylinders

*\*\* Depending on the type of wood, at maximum working pressure*

Options	KS650	KS730	KS860
Herder quick connection	Yes	No	No
CW10	Yes	Yes	No
CW30	No	Yes	Yes
Lehnhoff SW03	Yes	No	No
Lehnhoff SW08	Yes	Yes	Yes
Lehnhoff SW10	No	Yes	Yes
Pin connection Atlas T620	No	Yes	Yes
Pin connection Liebherr SW33	No	Yes	Yes

### Alamo Group The Netherlands Middelburg B.V

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