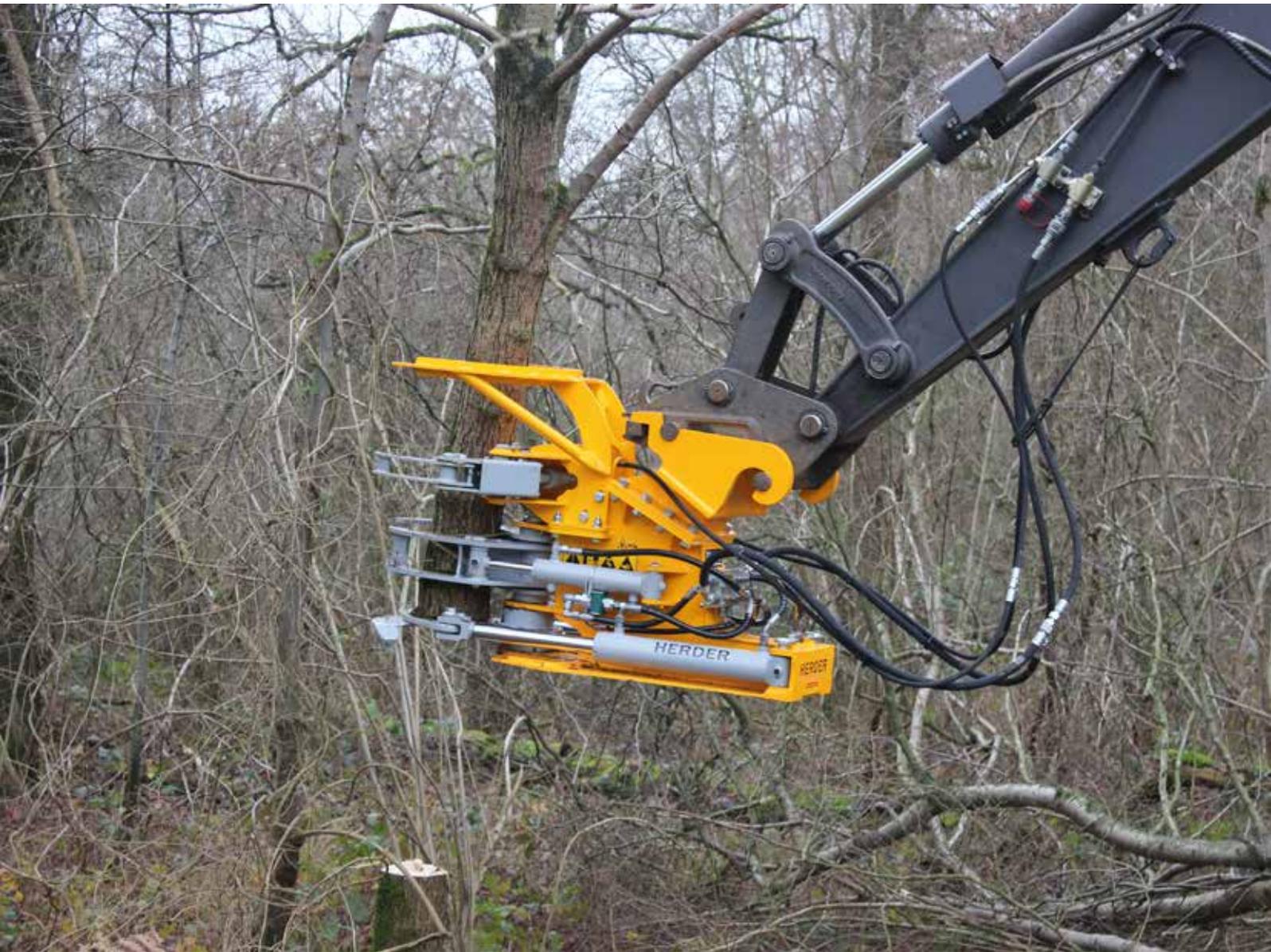


# Problem-free combinations



**HERDER**  
F E R M E X

**TREE SHEAR**



Herder tree shears are suitable for tough conditions and can be used to cut bushes, branches and even whole trees. Two strong gripper arms ensure the cut material is held firmly. This allows the cut material to be brought down in a controlled manner. Herder tree shears are available in two variants: the KS650 and the KS860.

## Long life and clean cut

The use of high-quality materials in combination with the construction of the gripper arm bearings and blades guarantee a long life time. The design of the blades and the choice of cylinders also ensure a clean cut without splinters. The fixing of the blades and cylinders permits fast and efficient working. The tree shears are fitted with a collecting fork as standard for better control of the cut material.

## Tree shears for various excavators



*KS650 with CW10 connection and collection gripper*

There are two types of tree shear in the Herder range: the KS650 and the KS860. The KS650 is suitable for excavators weighing 3 to 8 tonnes. The KS860 is suitable for excavators weighing 8 to 18 tonnes. Both models have been developed to cut big tree trunk diameters. The KS650 can easily cut tree trunks of  $\text{\O}20\text{cm}$ , while the KS860 can deal with tree trunks of up to  $\text{\O}30\text{cm}$ . Due to the large cylinders, the KS860 is fitted with a dual-speed mechanism. This ensures the blades and gripper arms to close more quickly if they do not encounter resistance.

## Tilt function



*KS860 fitted with 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  $100^\circ$ , of which  $50^\circ$  is to the left and  $50^\circ$  to the right. The tilting mechanism, in combination with the bucket cylinder, means almost any branch can be cut cleanly.

# Collection gripper



*Step 1 of the collection gripper*

The tree shear can optionally be fitted with a collection gripper. This option is available on both models. This function allows multiple branches to be cut and collected together before they are put down. 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 2 of the collection gripper*

During cutting, the 2 “heavy” gripper arms ensure the branch is held steady. To cut the next branch, the gripper arms have to open together with the blades. The collection gripper is useful at this stage. To prevent the cut material from falling, the collection gripper must be closed. 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 3 of the collection gripper*

The above steps can be repeated until the collection gripper is full. At that moment, the collected material must be put down.



# Technical specifications

	KS650	KS860
Excavators	3 until 8 tons	8 until 18 tons

DIMENSIONS	KS650	KS860
Length	131 cm	170 cm
Width knives opened	79 cm	108 cm
Opening width	48 cm	68 cm
Height	52 cm	126 cm
Weight	258 kg	528 kg

REQUIRED HYDRAULICS	KS650	KS860
Connection	Double-acting hydraulic function	Double-acting hydraulic function
Required hydraulic	60-80 l/min at max. 300 bar	60-80 l/min at max. 300 bar
Collection gripper	Extra double-acting hydraulic function necessary (weight 38 kg)	Extra double-acting hydraulic function necessary (weight 70 kg)
Tilt function *	Extra double-acting hydraulic function necessary (weight 135 kg)	Extra double-acting hydraulic function necessary (weight 205 kg)

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

CUTTING CAPACITY	KS650	KS860
Maximum trunk diameter	160-200 mm**	230-300 mm**

\*\* Depending on the type of wood, at 300 bar working pressure.

OPTIONAL	KS650	KS860
Basic piece (B)	Yes	Yes
Herder SS	Yes	No
CW10	Yes	No
CW20-40	No	Yes
Lehnhoff SW03	Yes	No
Lehnhoff SW08	Yes	Yes
Lehnhoff SW10	No	Yes

QUICK COUPLER	KS650	KS860
Atlas T620	No	Yes
Liebherr SW33	No	Yes

**HERDER**  
F E R M E X



**You will achieve more with Herder**



Herder tree shear-EMG-01

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