



Jak

Tree Shears

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The image shows a complex mechanical assembly, likely a robotic arm or a specialized tool, in a dark, high-contrast setting. The device features various components such as joints, actuators, and structural frames. The word 'Jak' is prominently displayed in the upper left corner in a large, white, sans-serif font. The overall aesthetic is industrial and technical.

Choose the Best Tree Shear on the Market

JAK TREE SHEAR

JAK-Metalli Oy is a continuously growing metal industry export company and one of the first developers and manufacturers of tree shears on the market.

The current design of our tree shear has been achieved through determined design and development work, combined with valuable professional feedback. Our mission is to succeed together with our customers.

- Founded in 2012
- Global distribution network
- 5000+ JAK tree shears sold in over 30 different countries
- Entire production chain in our own factories in Mänttä-Vilppula, Finland

Welcome to explore JAK products.

The JAK logo is displayed in a bold, white, sans-serif font against a dark background. The letters are slightly shadowed, giving them a three-dimensional appearance.

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B-Series

B-Series Tree Shears are fast, efficient, and durable tools designed for versatile use on excavators of various sizes.

Thanks to the new frame design of the fourth-generation B-Series tree shears, the number of accessories has increased, with the most significant addition being the upgraded Gen2 Collector.

The B-Series tree shears feature an even stronger structure, which also supports the redesigned cutting blade.



JAK-200B

GEN4



JAK-205B

GEN4



JAK-300B

GEN4



Technical Specifications:

	JAK-200B	JAK-250B	JAK-300B
Weight	160 kg	290 kg	590 kg
Height	400 mm	488 mm	610 mm
Cutting Diameter	200 mm	250 mm	300 mm
Operating Pressure	200-300 bar	250-300 bar	250-300 bar
Oil Flow	30-80 l/min*	50-120 l/min*	60-200 l/min*
Opening	600 mm	690 mm	840 mm
Buffer Plate Height	310 mm	390 mm	505 mm
Warranty	24 months	24 months	24 months

*eBoost halves the required amount of oil.

Accessories

- Can be equipped with, for example, the eBoost® hydraulic system.
- See all model-specific accessories on pages 16-17.

Couplings

- Most common couplings
- Custom orders / Customized couplings possible according to customer's machine type

Base Machine

	JAK-200B	JAK-250B	JAK-300B
Excavators	1,8-5 tn	5-12 tn	12-20 tn

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R-Series

The R-Series tree shears are modular tools designed for versatile use on excavators, wheel loaders, and telehandlers of various sizes.

The fourth-generation R-Series tree shears feature an even stronger frame structure and blade, as well as more robust accessory attachments.

Equipped with a 360° rotator system, the R-Series tree shear can be freely rotated in both directions along the axis of the frame.



JAK-200R

GEN4



JAK-250R

GEN4



JAK-300R

GEN4



Technical Specifications:

	JAK-200R	JAK-250R	JAK-300R
Weight	140 kg	270 kg	570 kg
Height	400 mm	500 mm	600 mm
Cutting Diameter	200 mm	250 mm	300 mm
Operating Pressure	200–300 bar	250–300 bar	250–300 bar
Oil Flow	30–80 l/min	50–120 l/min*	60–200 l/min*
Opening	600 mm	690 mm	840 mm
Buffer Plate Height	310 mm	390 mm	505 mm
Warranty	24 months	24 months	24 months

*eBoost halves the required amount of oil.

Accessories

- Can be equipped with, for example, a 360° rotator system.
- See all model-specific accessories on pages 16–17.

Couplings

- Most common couplings
- Custom orders / Customized couplings possible according to customer's machine type

Base Machine

	JAK-200R	JAK-250R	JAK-300R
Excavators	1,8–5 tn	5–12 tn	12–20 tn
Wheel loaders	1,3–2,5 tn	3–6 tn	6–21 tn
Telehandlers lifting capacity	450 kg	900 kg	1300 kg

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C-Series

The cutting force of the C-Series tree shears is concentrated on one gripping jaw. This design allows for a lighter structure and a more affordable price.

This versatile tree shear model is the result of customer-focused and long-term product development.

C-Series tree shears are suitable for excavators ranging from 2 tons to up to 30 tons.



JAK-220C



JAK-300C



JAK-400C



Technical Specifications:

	JAK-220C	JAK-300C	JAK-400C
Weight	175 kg	350 kg	675 kg
Height	380 mm	440 mm	570 mm
Cutting Diameter	220 mm	300 mm	400 mm
Operating Pressure	260–300 bar	250–300 bar	260–300 bar
Oil Flow	30–100 l/min	50–200 l/min	80–200 l/min
Opening	446 mm	630 mm	766 mm
Warranty	24 months	24 months	24 months

Accessories

- Available with options such as a collector and foot.
- See all model-specific accessories on pages 16–17.

Couplings

- Most common couplings
- Custom orders / Customized couplings possible according to customer's machine type

Base Machine

	JAK-220C	JAK-300C	JAK-400C
Excavators	2–6 tn	6–20 tn	14–30 tn

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K-Series

The K-Series tree shears are fast, efficient, and durable tools designed for versatile use on wood handling loaders, tractors, and forestry machines of various sizes.

The fourth-generation K-Series tree shears feature an even stronger frame structure and blade.

K-Series tree shears are powered by a single double-acting hydraulic system and can be installed directly as a replacement for a standard log grapple.



JAK-200K



JAK-250K



Technical Specifications:

	JAK-200K	JAK-250K
Weight	160 kg	280 kg
Height	570 mm	700 mm
Cutting Diameter	200 mm	250 mm
Operating Pressure	160-300 bar	200-300 bar
Oil Flow	30-80 l/min	50-120 l/min
Opening	600 mm	690 mm
Warranty	24 months	24 months

Accessories

- See all model-specific accessories on pages 18-19.

Base Machine

JAK-200K	Small tractors and wood handling loaders
JAK-250K	Forestry machines and large tractors

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Pro K-Series

An integrated collector and radio control make wood handling smoother. You can cut multiple trees before emptying the tree shear.

Additionally, cutting the treetop can be done in a controlled and safe manner in an upright position, because the tree shear is electrically controlled, not pressure-controlled.



JAK-200K Pro



JAK-250K Pro



JAK-300K Pro



Technical Specifications:

	JAK-200K Pro	JAK-250K Pro	JAK-300K Pro
Weight	260 kg	470 kg	850 kg
Height	800 mm	930 mm	1080 mm
Cutting Diameter	200 mm	250 mm	300 mm
Operating Pressure	160-300 bar	200-300 bar	250-300 bar
Oil Flow	30-80 l/min	50-120 l/min*	60-200 l/min*
Opening	600 mm	690 mm	840 mm
Warranty	24 months	24 months	24 months
Collector Warranty	12 months	12 months	12 months

*eBoost halves the required amount of oil.

Accessories

- See all model-specific accessories on pages 18-19.

Base Machine

JAK-200K Pro	JAK-250K Pro	JAK-300K Pro
Small tractors and wood handling loaders	Forestry machines and large tractors	Forestry machines

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eBoost®

Hydraulic system

eBoost® is a patented advanced hydraulic system that enhances the speed and efficiency of JAK Tree Shears.

The eBoost® hydraulic system increases the speed of the tree shear by up to 100% without reducing power.

eBoost® also allows the tree shear to be used on base machines with lower pressures and smaller oil flows.



eBOOST®

Hydraulic system



For B, R and K-Series JAK Tree Shears

The eBoost® hydraulic system allows the tree shear to be used through a bucket rotator without loss of speed or power.

About the eBoost® hydraulic system:

Faster

- Speeds up product operation by up to 100%.

Stronger

- Larger cylinders can be used without slowing down in speed
- Use through a bucket rotator or with low-pressure machines without loss of power.

More economical

- Consumes less fuel.

Safer

- The timber stays better under control when the movements are faster.

More durable

- Protects the hydraulic system and removes pressure shocks to it.

Compatibility

- Check the compatibility of the eBoost® with the tree shear model in the accessories chart on pages 16-18.

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Accessories

For R, B and C-Series

	JAK-200R Gen4	JAK-250R Gen4	JAK-300R Gen4	JAK-200B Gen4	JAK-250B Gen4	JAK-300B Gen4	JAK-220C	JAK-300C	JAK-400C
Collector B/R-Series Gen2	✓	✓	✓	✓	✓	✓			
Collector C-Series							✓	✓	✓
Collector's automatic function	✓	✓	✓	✓	✓	✓	✓	✓	✓
360° Rotator System	✓	✓	✓						
Felling Support	✓	✓	✓	✓	✓	✓			
Avant coupling unit	✓	✓							
WL-TH coupling unit*	✓	✓	✓						
Excavator coupling unit	✓	✓	✓						
Couplings for Excavators	✓	✓	✓	✓	✓	✓	✓	✓	✓
Solid extension	✓	✓	✓	✓	✓	✓	✓	✓	
Cylinder Options		✓	✓		✓	✓			
Foot	✓	✓	✓	✓	✓	✓	✓	✓	✓
Guillotine Unit			✓			✓			
Cutting side Jaw with Three Fingers	✓	✓	✓	✓	✓	✓			
eBoost® Hydraulic System		✓	✓	✓	✓	✓			
Cable Control (+ 6/2 valve)	✓	(✓)**	✓	(✓)	✓	✓	✓	✓	✓
Radio Control (+ 6/2 valve)		(✓)**	✓		(✓)	✓		✓	✓

*Verify compatibility of the control system

(✓) Only without the eBoost hydraulic system

(✓)** Only one electric valve if eBoost is in use

Collector B/R-Series Gen2



Collector C-Series



Collector's automatic function



360° Rotator System



Felling Support



Avant coupling unit



WL-TH coupling unit*



Excavator coupling unit



Couplings for Excavators



Solid extension



Cylinder Options



Foot



Guillotine Unit



Cutting side Jaw with Three Fingers



eBoost® Hydraulic System



Cable Control and Radio Control



Accessories

For K and K Pro-Series

	JAK-200K	JAK-250K	JAK-200K Pro	JAK-250K Pro	JAK-300K Pro
Collector Gen2			★	★	★
Radio Control (+B/3 valve)			★	★	★
Cutting side Jaw with Three Fingers	✓	✓	✓	✓	✓
Cylinder Options		✓		✓	✓
eBoost® Hydraulic System				✓	✓

★ Integrated ✓ Optional

Collector Gen2



Radio Control (+8/3 valve)



Cutting side Jaw with Three Fingers



eBoost® Hydraulic System



Cylinder Options





Why choose JAK Tree shear

1. Always the Fastest in Its Size Class – eBoost®

The eBoost® hydraulic system increases the speed of the tree shear by up to 100% without compromising power. eBoost also allows the tree shear to be used on machines with lower pressure and smaller oil flows.

2. Best Warranty – Tested in Real Conditions

Each of our products undergoes rigorous testing by industry professionals. We offer the best 24-month warranty on all JAK Tree Shears.

3. Built to Last – Hardox® In My Body

All JAK Tree Shears are HIMB-certified. Products are marked with serial-numbered Hardox® stickers to signify the genuine Hardox® wear steel used in them.

4. Designed and Manufactured in Finland

JAK Tree shears are manufactured from start to finish under strict quality control at our own factories.

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Notes

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