



BIOJACK® 180



TREE SHEAR 4 in 1

Delimb, cut, collect, load

- ✓ Small forwarders, trailers, trucks, excavators 4-8 t
- ✓ Light and strong
- ✓ Quick cut, Ø17-20 cm
- ✓ Low stump



MADE IN FINLAND

Biojack Oy | www.biojack.fi
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*Tilt function on cranes
Delimiting grapple as standard
Only 2 hydraulic hoses*



The **Biojack 180** is a robust and agile grapple designed for tough conditions. Easy and quick to install on the rotator of a crane. The grapple holds the tree firmly before the cut starts, max safety next to powerlines. Its user-friendliness is what makes it special. It moves smoothly through the trees, and thanks to its diverse functions, it can be used both for **cutting** and **loading**, without any modification. The grapple can be used for **delimiting** trees, as standard.

Work cycle: Press the hydraulic command, the grapple grabs a tree, the knife cuts, the tilt fells the tree. Then use the grapple for sorting and loading duty, just like that!

Biojack grapples are durable and sturdy, manufactured by Nummek in Finland, from top quality materials. All our products are user-friendly, easy and fast to use instinctively, and can be customized according to your needs, so you can simply focus on your work.



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	CRANE	EXCAVATOR
Weight	200 kg (440 lbs)	240 kg (530 lbs)
Cut diameter max. (hardwood-softwood) Scandinavian woods	170-200 mm (7-8")	170-200 mm (7-8")
Cut mode	Blade Hardox 500	Blade Hardox 500
Oil flow	35-60 L/min (9-16 gpm)	35-60 L/min (9-16 gpm)
Operating pressure	180-220 bar (2610-3190 psi)	180-220 bar (2610-3190 psi)
Back pressure max	20-30 bar (290-435 psi)	20-30 bar (290-435 psi)
Grapple opening	775 mm (30")	775 mm (30")
Grapple type	Delimiting grapple standard	Delimiting grapple standard
Shut off valves	Blade Tilt	Boom: No BA90: Blade
Height in felling position	470 mm (18")	470 mm (18")
Coupling type	Flange ø173 mm & 140x140 mm	Boom, BA90 or BA45
Hydraulic connections	3/8" (2 hoses, pressure and return)	3/8" (2 hoses, pressure and return)
Base machines	Tractors, trucks, forwarders	Excavators 4-8 t, telehandlers Boom, BA90, or BA45 Rotator CPR9 Coupling Box
Options	E-kit, accumulation grapple Wireless control for the E-kit Hooked knife	E-kit, accumulation grapple Wireless control for the E-kit Quick coupling Hooked knife



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