



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



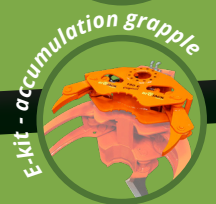
MADE IN FINLAND

Biojack Oy | www.biojack.fi

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Tilt function on cranes
Delimiting grapple as standard
Only 2 hydraulic hoses



Fix mounting
with rotator!



The **Biojack 180** is a robust and agile grapple designed for tough conditions. Easy and quick to install on the rotator of a crane. 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 falls 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.

	CRANE	EXCAVATOR
Weight	200 kg (440 lbs)	240 kg (530 lbs)
Cut diameter max. (hardwood-softwood)	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	180-220 bar
Back pressure max	20-30 bar	20-30 bar
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")
Connection to rotator	Flange ø173 mm	Boom or BA90
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
Options	Rotator adapter Normal grapple (round wood) 4-fingered grapple (brushwood) E-kit, accumulation grapple Wireless control for the E-kit	Boom BA90 Rotator CPR9 Coupling Box Normal grapple (round wood) 4-fingered grapple (brushwood) E-kit, accumulation grapple Wireless control for the E-kit EG-kit, upper delimiting grapple Quick coupling



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