



BIOJACK® 160



TREE SHEAR 2 in 1

Cut & Load

- ✓ Small cranes and excavators 2-5 t
- ✓ Light and strong
- ✓ Quick cut, Ø15-18 cm
- ✓ Low stump



MADE IN FINLAND

Biojack Oy | www.biojack.fi

Valimotie 1, FI-25500 Perniö | info@biojack.fi



The **Biojack 160** is a fairly light grapple, although tough, that fits to small machines. Easy and quick to install on a small crane, on small trucks, forest trailers, or mini-excavators. 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 interruption.

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	160 kg (350 lbs)	200 kg (440 lbs)
Cut diameter max. (hardwood-softwood) Scandinavian woods	150-180 mm (6-7")	150-180 mm (6-7")
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	170-190 bar (2465-2755 psi)	170-190 bar (2465-2755 psi)
Back pressure max	20-30 bar (290-435 psi)	20-30 bar (290-435 psi)
Grapple opening	840 mm (33")	840 mm (33")
Grapple type	Round wood grapple	Round wood grapple
Shut off valves	Blade Tilt	-
Height in felling position	590 mm (23")	590 mm (23")
Coupling	Sleeve 49.5 mm standard	Boom or BA90
Hydraulic connections	3/8" (2 hoses, pressure and return)	3/8" (2 hoses, pressure and return)
Base machines	ATV, trucks, tractors, trailers	Small excavators 2-5 t
Options	4-fingered grapple (brushwood) Rotator adapter Hooked knife	Boom or BA90 Quick coupling Hooked knife



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