



BIOJACK[®] 110



TREE SHEAR 2 in 1

Cut & Load

- ✓ Small cranes and mini-excavators
- ✓ Light but strong frame
- ✓ Quick cut, Ø10-12 cm
- ✓ Low stump



MADE IN FINLAND

Biojack Oy | www.biojack.fi

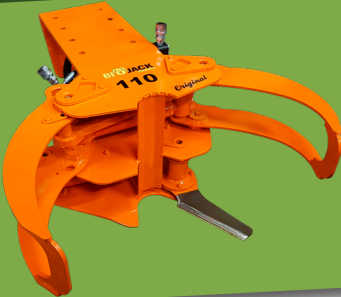
Valimotie 1, FI-25500 Perniö | info@biojack.fi



Tilt
For rotator shaft
Ø39 mm



Rotator adapters



Boom for coupling



Quick coupling

The **Biojack 110** is a slim light grapple, although tough, that fits to small machines. 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 interruption.

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 | 59 kg (139 lbs) | 70 kg (155 lbs) |
| Cut diameter max. (hardwood-softwood) | 100-120 mm (4-5") | 100-120 mm (4-5") |
| Cut mode | Blade Hardox 500 | Blade Hardox 500 |
| Oil flow | 10-20 L/min (2.6-5.3 gpm) | 10-20 L/min (2.6-5.3 gpm) |
| Operating pressure | 180 bar | 180 bar |
| Back pressure max | - | - |
| Grapple opening | 580 mm (23") | 580 mm (23") |
| Grapple type | Round wood grapple | Round wood grapple |
| Height in felling position | 330 mm (13") | 330 mm (13") |
| Coupling | Sleeve 39.5 mm for shaft-rotator | Boom |
| Hydraulic connections | 3/8" (2 hoses, pressure and return) | 3/8" (2 hoses, pressure and return) |
| Base machines | ATV, trucks, tractors, trailers | Mini-excavators 1-3 t |
| Options | Rotator adapter | Quick coupling |



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