



» STRONG-ARM GRAPPLES



STRENGTH TO SUCCEED

The Barko® Strong-Arm™ Grapples provide a highly productive solution for log handling and delimiting applications. Designed to optimize the performance of Barko B-series loaders, each of the three grapple models delivers superior rotator torque, along with excellent clamping force and arm speed. Built with rugged components and thoroughly tested for quality, the grapples offer an industry-leading 18-month warranty with unlimited hours.



Engineered for seamless integration with **Barko loaders**, the Strong-Arm Grapple provides powerful rotation torque and clamping force. Featuring a hydraulic motor design that maximizes hydraulic flow, each grapple is exceptionally fast and productive. Minimized flow restriction enhances horsepower efficiency, allowing you to do more with less.





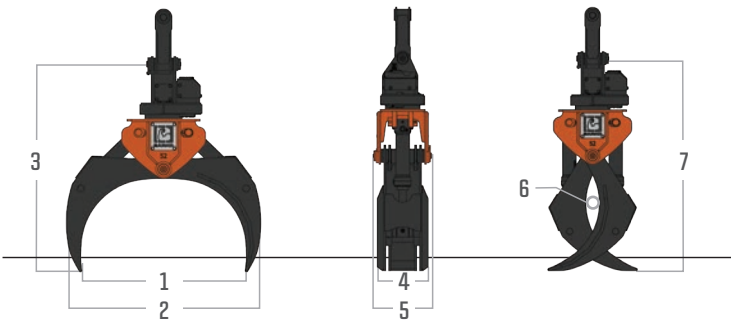
“ We were impressed with how fast the grapple works. The rotation is powerful, and we love the extra torque when loading trucks with big timber. ”

- Randy Rogers, Crouse Logging

QUALITY DESIGN & COMPONENTS

- > High tensile, **wear-resistant steel construction** with hard face weld on grapple arm tips extends working life.
- > **Robust motor design** perfected through testing in heavy-duty conditions, with internal components sized to tolerate tough jobs.
- > Offers 360-degree continuous rotation and **fully supported rotator drive pinion gear**.
- > Compact rotator allows for **single hose bundle** between boom and grapple, providing better hose protection.
- > **Internal relief cartridge** completely integrated with motor to avoid damage and oil leaks.
- > Oversized, induction-hardened pins **reduce wear to pins and bushings**.
- > **Cushioned cylinders** eliminate jarring effects at maximum open and close, while thick cylinder walls and added guards provide further durability.
- > Load holding valves in the cylinders are **guarded to prevent damage** and enhance safety.
- > **Service friendly design** with four convenient inspection plates for grapple collector and hoses, and 12 easily accessible grease points.

SPECIFICATIONS



4250, 4850 & 5250 GRAPPLE

	4250	4850	5250
DIMENSIONS			
1 Maximum Opening	42.0" (107 cm)	48.1" (122 cm)	52.1" (132 cm)
2 Width Open	53.2" (135 cm)	57.3" (146 cm)	62.4" (158 cm)
3 Height Open	61.0" (155 cm)	64.2" (163 cm)	66.6" (169 cm)
4 Tine Width		17.5" (44 cm)	
5 Overall Width		20.0" (51 cm)	
6 Minimum Closing	4.3" (108 mm)	4.0" (102 mm)	4.5" (114 mm)
7 Height Closed	66.0" (168 cm)	70.6" (179 cm)	73.3" (186 cm)
Arm Steel Thickness		0.75" (19 mm)	
Weight	1,410 lbs (640 kg)	1,490 lbs (676 kg)	1,600 lbs (726 kg)

ROTATOR	
Lift Capacity	50,000 lbs (22,680 kg)
Torque at Relief	18,260 in-lbf at 1,500 psi (2,063 Nm at 103 bar)
Operating Pressure	2,500 psi (172 bar)
Maximum Pressure	4,000 psi (276 bar)
Recommended Flow	9 GPM (34 LPM)
Speed at Recommended Flow	23 RPM
CYLINDER	
Bore Diameter	4250-4850 - 3.5" (89 mm) 5250 - 4.0" (102 mm)
Pressure Range	2,500-3,600 psi (172-248 bar)
Carrier Flow Range	4250-4850 - 18-37 GPM (68-140 LPM) 5250 - 26-52 GPM (98-197 LPM)
Lock Valves	Included
MATERIALS	
Structural	High tensile, wear-resistant steel
Bushings	Bronze and steel
Wear Surfaces	Hard face weld on grapple arm tips
Finishes	Powder coating and zinc-plated pins



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WARRANTY
18 Months Full attachment with **UNLIMITED** hours