

Cost ANALYSIS

MAG-9000

What does it cost you to service a blade?

Magna-Matic equipment is of the HIGHEST quality and performance - this is what sets it apart from all others. To properly calculate a cost analysis of blade sharpening, a number of factors need to be addressed.

The following approximations were used in the below calculations:

- 3 commercial mowers running
- 3 blades per each mower
- Blades sharpened once per day (8-12 machine hour service interval)
- 6 month cutting season (24 weeks)
- 9 blades to be sharpened once a day (5 working days) for 24 weeks = 1,080 sharpenings
- Labor cost \$40 per hour - [\$0.67 per minute] (what is your time worth?)
- Time to sharpen 1 blade with a MAG-9000 = 60 seconds
- Approximate number of blades per 1 grinding wheel (from MAGNA-MATIC) = 200 blades
lawn care professionals will yield 100-300 blades out of one grinding wheel from Magna-Matic. This will depend on the amount of steel needed to be removed to sharpen the blade.
- Cost of 1 grinding wheel (from MAGNA-MATIC) = \$28.25

* 60 second sharpening time based on the following constraints:

Blade = 24 inch long, 1/4 inch thick commercial mower blade
Wear = 20 machine hours of use
Sharpen = both full edges

Sharpening time is directly related to the amount of steel to be removed from the blade to sharpen the blade.

Grinding wheel life is directly related to the amount of steel removed from the lawn mower blade.

MAG-9000 retail \$626 - THE FIRST SEASON - 3 mower operation	
MAG-9000 equipment cost per blade (1 season) \$626 divided by 1,080 sharpenings = \$0.58	\$0.58
Grinding wheel cost per blade \$28.25 divided by 200 blades per grinding wheel = \$0.14	\$0.14
Labor cost per blade \$40 per hr divided by 60 min = \$0.67 per min ----- 1 minute per blade	\$0.67
Cost to sharpen 1 blade	\$1.39

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MAG-9000 retail \$618 - EVERY SEASON AFTER - 3 mower operation	
MAG-9000 original equipment cost per blade	\$0.00
Grinding wheel cost per blade \$28.25 divided by 200 blades per grinding wheel = \$0.14	\$0.14
Labor cost per blade \$40 per hr divided by 60 min = \$0.67 per min ----- 1 minute per blade	\$0.67
Cost to sharpen 1 blade	\$0.81