



## Kungs replacement blade



superapina

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### Summary

Replacement blade for Kungs snow brushes and ice scrapers.

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### Kungs replacement blade for Kungs snow brushes and ice scrapers

Mostly accurate model of Kungs ice scraper blade. Blade is compatible with the Max-is, Mega-is and Star-is snow brushes as well as the Mid-is ice scraper and the Kungs snow shifter. Can be used also as independent ice scraper!

Scraper is equipped with ice breaker teeth for getting off even the toughest black ice and a notch for cleaning windscreen wiper blades.

Two models:

1. Replacement blade is mostly accurate with the original blade. It includes the locking tabs and raised center hole. Print tabs facing up! Slow speed on first layer (10m/s) because of the teeth!
2. Replacement blade print optimized ditches the locking tabs and is flat on both sides. Holds just fine on blade handle. Print teeth facing up!

Print as oriented on files! Recommend version is print optimized.

Print settings:

Basic PLA setting are fine with 3 perimeters

- The harder the better, PLA was fine, PETG worked too but was softer
- 0,6 nozzle
- 0,3 layer height
- 3 perimeters
- 15% infill

## **Kungs vaihtoraappa Kungs lumiharjoihin ja jääraappoihin**

Melko tarkka kopio Kungs jääraapasta. Sopii Max-is, Mega-is, Tele-is, Star-is ja Junior-is lumiharjoihin, Mid-is jääraappaan sekä Kungs lumentyöntimeen. Voidaan käyttää myös erillisenä rapana!

Jääraapassa on myös jäähampaat, joilla saa murskattua lujankin teräsjään sekä ura pyyhkijänsulkien puhdistamista varten.

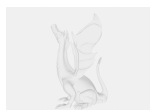
## **Model files**



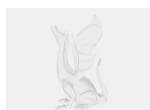
**replacement-blade.stl**



**replacement-blade-print-optimized.stl**



**replacement-blade.step**



**replacement-blade-print-optimized.step**

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