Inspect routinely. Replace only when worn.

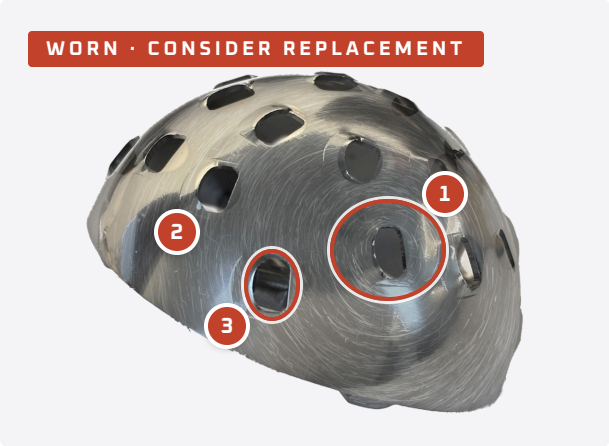
The Metallimax **Inspect & Replace Program** gives sterile processing teams, sales agents and surgeons the education and hands-on help to identify and discard acetabular reamers that no longer serve the doctor, the patient or the hospital. The **OneReam® Acetabular Grater** ships non-sterile and is designed for continual reuse and sterilization, so every grater should be evaluated regularly and replaced as necessary. This guide highlights how visible, ordinary wear generally appears and provides guidance on when to replace acetabular reamers.

What wear looks like

Worn examples are digital simulations made from photos of a new OneReam grater.



New: bright, even mirror finish. Fine machining marks only. Sharp, clean tooth edges.



1. Heavy swirl scratching around the cutting teeth.
2. Mirror finish gone dull and hazy across the dome.
3. Cutting teeth exhibit markings or chipping.

Close-up: cutting tooth



Swirled scratches circle the tooth opening. Check every tooth for dull, rounded, nicked or chipped edges.

Crossbar and size marking



The size is laser-marked on every crossbar. If markings are scratched off or hard to read, replace the grater.

Why it matters: published studies of used reamers (not OneReam) report smaller, shallower ream cavities and higher reaming temperatures than with new reamers.[1,2]

References: 1. Slotkin S, et al. *Arthroplasty Today*. 2016;3(2):131–136. 2. Sherman WF, et al. *Arthroplasty Today*. 2021;7:91–97.

This guide supplements the OneReam instructions for use (IFU). If anything differs, follow the IFU.

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Keep using or replace?

Check every **OneReam®** grater after cleaning, under good light. Confirm that each dome surface, cutting tooth, and size markings appear in good condition. Some surface scratches are normal and do not indicate a need to replace. However, if doubt exists as to a reamer's continued viability, a blue-wrap sharpness test should be performed.

CHECK	✓ KEEP USING	✕ REPLACE
Cutting teeth	✓ Edges look crisp and even. Teeth catch the blue wrap (see test below).	✕ Dull, rounded, flattened, bent, nicked or chipped teeth. Fails the blue-wrap test and the gloved-finger check.
Dome surface	✓ Light, even handling marks only. Finish still bright.	✕ Deep gouges, heavy swirl scratching, or a finish that has gone dull grey all over.
Size marking	✓ Size on the crossbar is clear and easy to read.	✕ Size marking scratched off, faded or hard to read.
Rust and staining	✓ Clean, even steel color after cleaning.	✕ Rust, pitting, corrosion or staining that does not come off with cleaning.
Crossbar	✓ Straight and undamaged. Seats securely on the driver.	✕ Bent, cracked or damaged crossbar, or a loose fit on the driver.

⚠ When in doubt, take it out.

If the grater fails both sharpness checks or damage is visible, we suggest removing it from service. **Do not resharpen. Replace.**

The blue-wrap sharpness test

1 

Set up. Wearing gloves, lay a scrap sheet of blue wrap (never one that will package a set) or a blue towel flat on a clean, steady surface.

2 

Scoop. With the grater clean and dry, hold it dome side down at an angle and draw it into the wrap in a scooping motion, using light pressure.

3 

Watch the teeth. Sharp teeth engage and capture the wrap. Afterward, check for and remove any snagged lint or fibers before reprocessing.

Teeth fail to engage or capture the wrap? Do the gloved-finger check. If the tooth also fails, we suggest removing the grater from service and replacing it.

Next step: gloved-finger check. Only on a grater that has been cleaned and decontaminated (before sterilization), by trained staff wearing cut-resistant gloves: gently draw a gloved fingertip across one tooth's cutting edge, never along it. Do not press hard. A sharp tooth grabs the glove. A dull tooth will not grab the same way; it may feel like an edge that simply isn't sharp.

Questions about the program?

Download the IFU for full instructions and other important information.

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Scan for instructions for use & downloads →

Always follow the OneReam instructions for use and your facility's reprocessing policies. Instructions for use are available at www.metallimax.com/downloads.

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10/26 REV. 1