ONEREAM · FAQ

METALLIMAX®

Frequently Asked Questions

Answers to the questions we hear most. Don't see yours? Email **orders@metallimax.com** or call **(772) 265-4681**.

ABOUT ONEREAM GRATERS

What is a OneReam Acetabular Grater?

OneReam is an acetabular reamer designed for busy physicians, and for those who demand a technology that enables a single-ream technique directly to the planned size.

What is it made of?

OneReam is a robust 420 stainless steel design with a crossbar connection.

How accurate is it?

In testing, OneReam held its cut to within ±250 microns of its stated size. Please refer to our Clinical Summary.

How do we identify each reamer?

Each OneReam carries laser-etched identification for easy tracking.

Why does the Bear Claw tooth design matter?

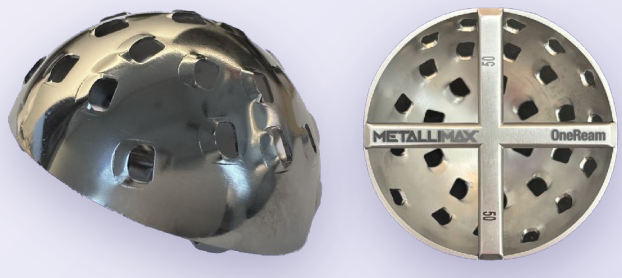
Traditional acetabular reamers use dozens of circular teeth to carve the bone bed, sort of like sharp round point shovels you might use to dig a ditch. This can result in ridged bone with circumferential peaks and valleys that may be suboptimal for fit and bony apposition. The Bear Claw tooth design is flattened and designed more like a square point shovel that smoothly engages the bone with a wider surface area for a more consistent cut, clearing the diseased bone without digging out scoops.

How are OneReam Graters manufactured?

Our reamers are manufactured in an ISO 13485-compliant facility on advanced equipment. 100% of OneReam Graters are quality inspected and measured on an optical comparator to confirm diametrical sizing tolerances.

Is there any evidence?

Substantial test data show that OneReam offers an extremely compelling answer for physicians who demand a better acetabular preparation tool. Constructed of high-quality 420 stainless steel, OneReam is engineered to hold its diametrical tolerance even after dozens of procedures. 100% of OneReam graters are measured on an optical comparator to confirm they fall within a ±250 µm tolerance band of the stated size. In bench testing, the Bear Claw tooth design delivered a 39% improvement in bone-finish smoothness compared to a standard reamer.[2,3**] Please refer to our Clinical Summary.



COMPATIBILITY

Is OneReam compatible with robots?

Yes, OneReam Graters are optimized for use with robotics, particularly for procedures where the surgeon elects to perform a single-ream to the final size instead of progressively reaming a larger socket using multiple sizes. For a single-ream approach, the reamer must be capable and the OneReam design is a unique and highly compelling solution.

Which reamer drivers fit?

OneReam uses a crossbar connection and is generally compatible with most crossbar reamer drivers.

Does my power tool matter?

No. Only the mating end of the reamer driver matters, not the power tool connection.

Which acetabular cups does it work with?

OneReam is not specific to any cup system. It creates a spherical cavity of its stated size; the implant maker and surgeon determine the fit for their implant.

RETURNS & REPORTING A PROBLEM

What is your return policy?

If a product is defective, we will issue a full refund.

How do I report a problem?

Please report any suspected defect or failure to perform right away at (772) 265-4681 or orders@metallimax.com, and include your contact details.

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Frequently Asked Questions

USING IT

Is it shipped sterile? Is it reusable?

OneReam is supplied non-sterile and is designed for repeated sterilization. Clean and sterilize it before each use, following the Instructions for Use.

Can it be resharpened?

No. Resharpening acetabular reamers changes the geometry, sometimes in significant ways. A sharpened reamer will no longer maintain the same outer geometry, and it will not cut the same diameter.

Does it work with the anterior approach and in ASCs?

Yes. OneReam suits contemporary surgical techniques, including the anterior approach, in hospitals and ambulatory surgery centers.

Aren't single-use reamers better?

On a per-case basis, single-use reamers are extremely expensive. They may have a place in an emergency, but it's largely impractical to use a reamer once and throw it away every case. It's also no longer necessary, if you have a reamer that's known to be sharp and local representatives helping to track and replace reamers one by one as they reach end of service.

EDUCATION & SUPPORT

Do you have clinical studies?

Multiple clinical studies exist on acetabular reaming performance that are, in many ways, surprisingly problematic. Please refer to our Clinical Summary for a comprehensive overview of clinical studies about acetabular reaming deficiencies.

Is excessive reamer heat generation a problem?

Acetabular cup loosening remains perhaps the single most significant unsolved issue in hip replacement. There are many reasons and contributing factors. But one thing we know for sure is that dull reamers have been shown to generate extreme temperatures. One study recorded 65.1 °C.[1*] For comparison, bone injury has been observed at temperatures as low as 47 °C after just one minute.[4]

Can I talk with surgeons who use OneReam?

Yes. Surgeons who know our products are available for surgeon-to-surgeon conversations. Contact us and we'll connect you.

What is the Acetabular Academy?

A free, clinically led education portal for orthopedic surgeons. Metallimax is a founding sponsor; the Academy is independent and not moderated by Metallimax.

ORDERING & SHIPPING

How do I place an order?

Email orders@metallimax.com or call (772) 265-4681. We prefer a purchase order, but any written order is fine.

Is there a minimum order?

No. Order a single reamer or any quantity you need.

How much does it cost?

Pricing is standard. No negotiation or minimum quantities are required.

How quickly will my order ship?

Orders typically ship within 48 hours of receipt.

How is shipping charged?

We ship at our discounted rate, or on your own carrier account if you prefer. Shipping is added to your invoice.

What are your payment terms?

Terms are confirmed with your quote or contract.

Can we set Metallimax up as a vendor or put you on contract?

Yes, please do. We'll gladly provide what your team needs for vendor setup. Email orders@metallimax.com to get started.

EVALUATION

Can we try OneReam before ordering?

Yes. Each interested surgeon can receive one free evaluation reamer to compare against current reamers. Email orders@metallimax.com to request one.

Have a question we didn't answer?

orders@metallimax.com
(772) 265-4681
Metallimax, LLC, Palm City, Florida

***** *Bench and animal studies of generic new vs used reamers, not OneReam.* ****** *Bench test of identical cutting-tooth geometry vs a standard reamer (52 mm, 30 PCF Sawbones); may not predict clinical performance.*

References: 1. Sherman WF, et al. *Arthroplasty Today*. 2021;7:91–97 · 2. Tecomet TS-18-0010 · 3. Tecomet Cross Bar Reamer Data Sheet 10008-01 Rev. B · 4. Eriksson AR, Albrektsson T. *J Prosthet Dent*. 1983;50(1):101–107.

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