

Hydrophobic-Coated Lens Finishing

3M™ LEAP™ LSE Finish Blocking Pads

Cat. No.	Size/Shape	Qty/roll
• 1707	18mm/oval	1000
• 1708	24mm/round	1000

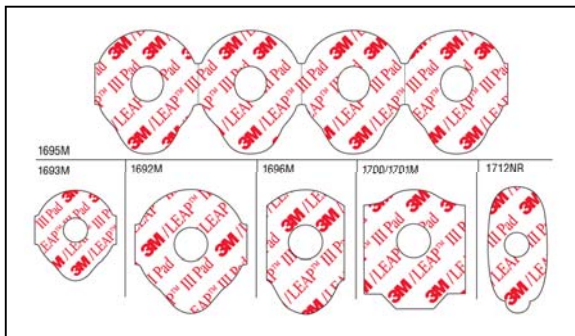


3M™ LEAP™ LSE
Finish Blocking Pads
For Hydrophobic-Coated Lenses

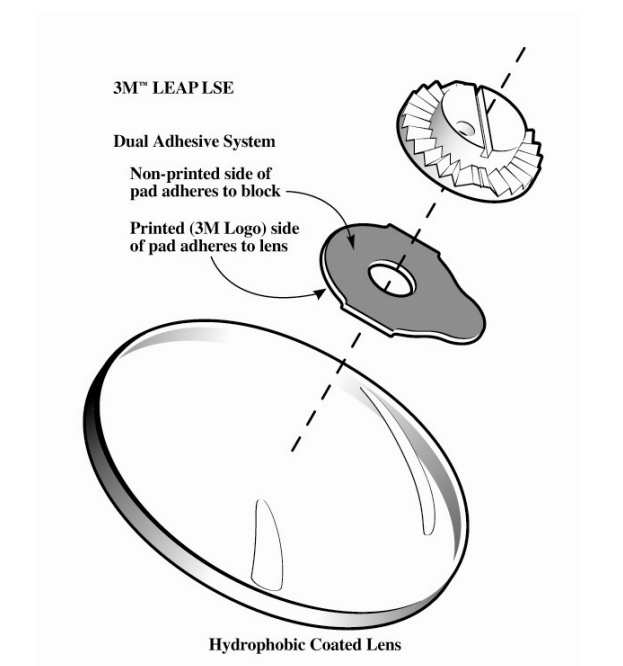
Standard Lens Finishing

3M™ LEAP™ III Finish Blocking Pads

Standard line of 3M™ LEAP™ III high quality finish blocking pads for non-hydrophobic coated lenses:



3M™ LEAP™ LSE



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70-2009-7477-5

3M™ LEAP™ LSE

(Low Surface Energy)

3M LEAP LSE edging pads are made of a specially formulated adhesive designed to improve the edging of today's new hydrophobic "non-stick", low surface energy coated lenses.

Designed for Hydrophobic Coatings

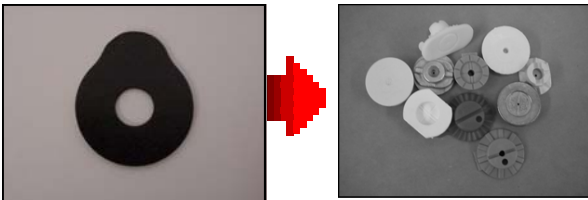
3M LEAP LSE pads are designed to adhere to hydrophobic coatings, while maintaining axis stability.

Dual Adhesive System

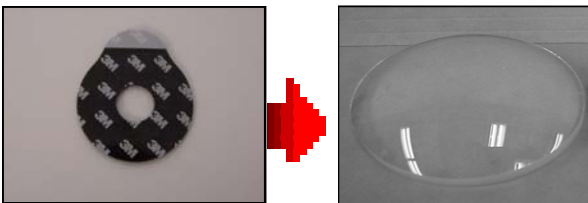
Each side (front and back) of the 3M LEAP LSE pad uses a different adhesive.

- Non-printed side: Adhesive is formulated for adhesion to the block.
- Printed (3M logo) side: Adhesive is specially formulated for adhesion to hydrophobic-coated lens surface.

Non-Printed Side → To Block

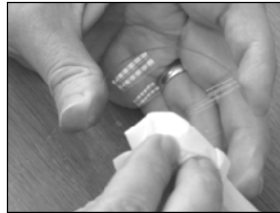


Printed (3M logo) Side → To Lens

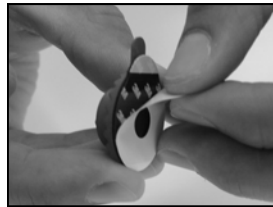


Instructions for use

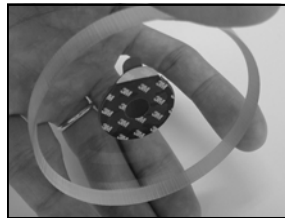
1. Before blocking, clean the front surface of the lens with reagent grade isopropyl alcohol. This removes loosely bond hydrophobic coating not tightly adhered to the AR (anti-reflective) stack and ensures that the 3M LEAP LSE pad attached to a stable surface.



2. Apply the 3M LEAP LSE pad to the block before applying the pad to the lens. Ensure that the non-printed side of the pad is to the block.



3. Firmly apply the LEAP LSE pad to the lens. Ensure that the printed side of the pad is to the lens.



4. Make sure the 3M LEAP LSE pad completely wets-out the surface of the lens.



Preventing Slippage

The key to edging hydrophobic-coated lenses is controlling the variables that lead to slippage. Three main variables that have the greatest influence on the edging process are:

Hydrophobic-Coating Consistency

Start with a stable blocking surface: Prior to blocking, the lens should always be cleaned with reagent grade IPA to remove hydrophobic coating not tightly adhered to the AR stack. This will ensure that the pad is adhered to a stable surface.

Edging Equipment and Settings

High Pressure and slow cuts: The ram pressure should be set on high and the cutting rate on slow for both cribbing and final edging. This is particularly important when edging polycarbonate and high minus lenses.

- Polycrystalline cutting wheels create less torque during edging than diamond-bonded cutting wheels.

Edging pad / Block

Choose the right edging pad and block: 3M LEAP LSE pads are designed to adhere to hydrophobic coatings while maintaining axis stability. Each side of the pad (front and back) uses a different adhesive. Make sure the printed (3M Logo) side of the pad is against the lens.

- Block radius and lens should be closely matched for optimum adhesion and wet-out.
- Blocks should be completely clean and dry prior to pad application.