3M™ Anti-Slip Disc

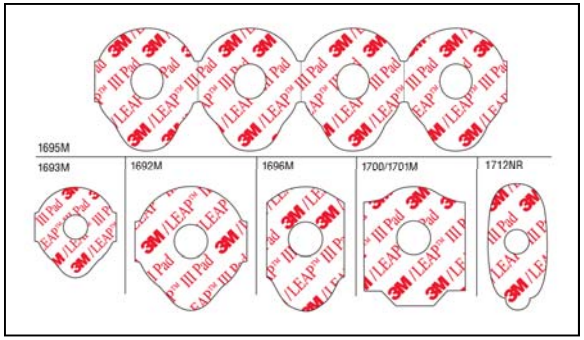
Cat. No: 1705

Size: 24 x 44 mm

Quantity: 500/box

3M™ LEAP™ III Finish Blocking Pads

Standard line of 3M™ LEAP ™ III high quality finish blocking pads.



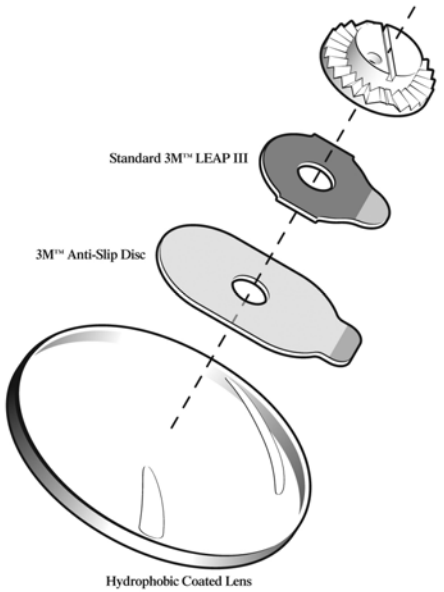
3M Medical Specialties
3M Center Building 270-5W-05
St. Paul, MN 55144

70-2009-7488-2

3M™ Anti-Slip Disc

Designed for hydrophobic lenses

Use with 3M™ LEAP™ III Finish Blocking Pads



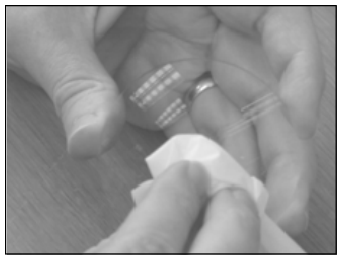
3M™ Anti-Slip Disc

Today's new hydrophobic-coated lenses can create real challenges for the edging process. These slippery surfaces need special considerations when choosing an effective blocking system.

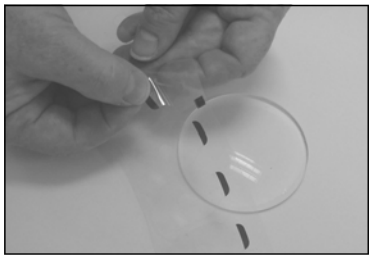
3M has developed a special Anti-Slip Disc to work in conjunction with its proven, high quality 3M LEAP III Finish Blocking Pad. When used together, the combination of 3M Anti-Slip Disc and 3M LEAP III Finish Blocking Pad, improves adhesion while maintaining axis stability.

Instructions for Use

1. Before blocking, clean the front surface of the lens with reagent grade IPA. This removes loosely bound hydrophobic coating not tightly adhered to the AR stack and ensures that the 3M Anti-Slip Disc is attached to a stable surface.

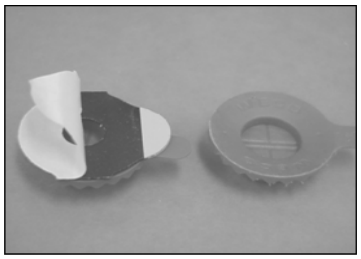


2. Remove the 3M Anti-Slip Disc from the liner and apply to the cleaned lens surface. Place the adhesive side of disc to the lens.

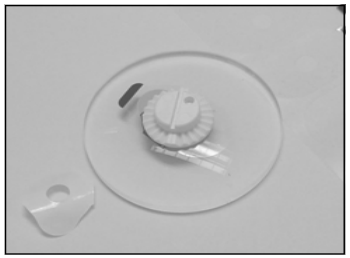


3. Firmly press down and smooth out the 3M Anti-Slip Disc onto the lens surface to ensure good adhesion.

4. Apply the 3M LEAP III pad to the block before applying the pad to the lens



5. Apply the block and pad combination to the lens, making sure the 3M LEAP III pad is in complete contact with the 3M Anti-Slip Disc.



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 isopropyl alcohol to remove hydrophobic coating not tightly adhered to the AR (anti-reflective) stack. This will ensure adhesion 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.

Blocking System: Disc/Pad /Block

Choose the right blocking system components: 3M Anti-Slip Discs are designed for use with 3M LEAP III blocking pads.

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