MVt TORIC MULTIFOCAL™ Fitting Guidelines

MVt™ TORIC CHARACTERISTICS:

- MVt™ torics give your astimatic presbyopes clear and comfortable vision, especially where they need it most, at the critical intermediate zone.
- Patented design with 4 distinct viewing zones: a distance, a near and 2 unique central intermediate focal zones. The dominant eye is fit with the distance lens and the non-dominant eye is fit with the near vision lens.
- Additionally, the Central Intermediate Focal Zones provide the patient with constant and balanced vision for greater accommodation while alleviating the visual disparity that is disconcerting to any presbyopic wearer.
  - Material: polymacon, blue tint 38% water, daily wear
  - Distance powers: -10.00D to +10.00D in 0.25D steps
  - Add powers: Up to +3.00D
  - Cylinder: Up to -4.00D
  - Axis: any axis in 1º intervals
  - Base curves: 8.5 mm and 8.8 mm
  - Diameter: 14.5 mm
  - Orientation marks: 3:00 & 9:00 o'clock
  - Modality: quarterly & annually
  - Design: front surface multifocal Central / Intermediate Focal Zones / back surface toric with front surface thin zone/dynamic stabilization

Ordering: You will need:

- K- Readings
- Spectacle Rx
- Cylinder and axis
- Add requirement
- Dominant eye

FITTING OBJECTIVES:

- A well-fit lens should provide noticeable, stable movement after blink.
- A tight lens may provide little or no movement and may need a flatter base curve.
- A loose lens fitting lens may provide excessive or inconsistent movement and may need a steeper BC
- Use K-Readings to determine BC:
  - 8.5mm BC: 45.00D or steeper
  - 8.8mm BC: 44.87D or flatter
- The non-dominant eye is fit with the near lens, which has a near zone in the periphery and an intermediate power in the central focal zone. (See near lens selection table).
- The distance or dominant eye is fit with the distance lens.
- Vertex $\pm$ 4.00D
- For adds of +1.25D or less, consider using two distance lenses.

MVt™ TORIC FITTING ASSESSMENT:

- If the lens rotation is greater than 10º off the 3 and 9 'o'clock orientation markings or the rotation is not stable, verify the following:
  - Is the base curve correct?
  - Is the lens inside out?
  - Observe the markings with a slit lamp. Determine if the markings are rotating clockwise or counter clockwise. The clock method is the best, each hour on a clock = 30º of rotation.
  - If the lens rotates CLOCKWISE, ADD that amount of rotation to the patient's refractive axis in minus cylinder form. If the lens rotates COUNTER-CLOCKWISE, then SUBTRACT that amount from the patient's refractive axis in minus cylinder form.

  CATS: Clockwise Add - counTer-clockwise Subtract
  - If the new lens does not rotate to the same position as the previous lens, check to see if the lens is inside out. The new lens orientation marks must rotate to the same position as the previous lens!
- Adjusting the vision: If vision is not adequate, have the patient view the distance chart binocularly and over refract each eye individually using hand-held lenses.
  - Distance Problems: Add minus in 0.25D increments to the near lens and binocularly check distance and near vision each time. If this does not correct the problem, add minus to the distance eye in 0.25D increments. Again check distance and near vision binocularly each time.
  - Near Problems: Add plus in 0.25D increments to the distance lens. Binocularly check near and distance vision each time. If this does not correct the problem, add plus to the near eye in 0.25D increments. Again, binocularly check the vision at distance and near each time.

Unilens CORP., USA

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TORIC NEAR LENS SELECTION TABLE

DISTANCE POWER	ADD REQUIREMENT +1.25	+1.50	+1.75	+2.00	+2.25	+2.50
-5.00	-4.00	-3.75	-3.50	-3.00	-2.75	-2.50
-4.75	-3.75	-3.50	-3.25	-2.75	-2.50	-2.25
-4.50	-3.50	-3.25	-3.00	-2.50	-2.25	-2.00
-4.25	-3.25	-3.00	-2.75	-2.25	-2.00	-1.75
-4.00	-3.00	-2.75	-2.50	-2.00	-1.75	-1.50
-3.75	-2.75	-2.50	-2.25	-1.75	-1.50	-1.25
-3.50	-2.50	-2.25	-2.00	-1.50	-1.25	-1.00
-3.25	-2.25	-2.00	-1.75	-1.25	-1.00	-0.75
-3.00	-2.00	-1.75	-1.50	-1.00	-0.75	-0.50
-2.75	-1.75	-1.50	-1.25	-0.75	-0.50	-0.25
-2.50	-1.50	-1.25	-1.00	-0.50	-0.25	0.00
-2.25	-1.25	-1.00	-0.75	-0.25	0.00	+0.25
-2.00	-1.00	-0.75	-0.50	0.00	+0.25	+0.50
-1.75	-0.75	-0.50	-0.25	+0.25	+0.50	+0.75
-1.50	-0.50	-0.25	0.00	+0.50	+0.75	+1.00
-1.25	-0.25	0.00	+0.25	+0.75	+1.00	+1.25
-1.00	0.00	+0.25	+0.50	+1.00	+1.25	+1.50
-0.75	+0.25	+0.50	+0.75	+1.25	+1.50	+1.75
-0.50	+0.50	+0.75	+1.00	+1.50	+1.75	+2.00
-0.25	+0.75	+1.00	+1.25	+1.75	+2.00	+2.25
0.00	+1.00	+1.25	+1.50	+2.00	+2.25	+2.50
0.25	+1.25	+1.50	+1.75	+2.25	+2.50	+2.75
0.50	+1.50	+1.75	+2.00	+2.50	2.75	+3.00
0.75	+1.75	+2.00	+2.25	+2.75	+3.00	+3.25
1.00	+2.00	+2.25	+2.50	+3.00	+3.25	+3.50
1.25	+2.25	+2.50	+2.75	+3.25	+3.50	+3.75
1.50	+2.50	+2.75	+3.00	+3.50	+3.75	+4.00
1.75	+2.75	+3.00	+3.25	+3.75	+4.00	+4.25
2.00	+3.00	+3.25	+3.50	+4.00	+4.25	+4.50
2.25	+3.25	+3.50	+3.75	+4.25	+4.50	+4.75
2.50	+3.50	+3.75	+4.00	+4.50	+4.75	+5.00
2.75	+3.75	+4.00	+4.25	+4.75	+5.00	
3.00	+4.00	+4.25	+4.50	+5.00		
3.25	+4.25	+4.50	+4.75			
3.50	+4.50	+4.75	+5.00			
3.75	+4.75	+5.00				
4.00	+5.00					