

UNILENS™ GP, UNILENS™ GP Plus, Quantum Thin and Quantum Thin High Add Back Aspheric Multifocal Contact Lens Fitting Guidelines

SUGGESTED PATIENT CRITERIA:

- For ADDs up to +1.50D
Unilens GP or Quantum Thin
- For ADDs from +1.75D to +2.50D
Unilens GP Plus or Quantum Thin High Add
- Corneal astigmatism: Up to -3.00D (x180) WTR
Up to -1.50D (x090) ATR

LENS SELECTION:

Standard Parameters

Base Curves: 6.90mm - 8.00mm in 0.05mm increments

Diameters: Made to order

Powers: Made to order

Custom Parameters available

IF CORNEAL CYLINDER IS:	SELECT BASE CURVE: (steeper than flat K)	POWER: (add to dist. spectacle)
0.00 to 2.00D	1.75D steeper	add -1.50D
2.25D	2.00D steeper	add -1.75D
2.50D	2.25D steeper	add -2.00D

IF BASE CURVE SELECTED IS:	DIOPTER	SELECT DIAMETER OF*
7.10mm and steeper	>47.50—	8.9
7.15 to 7.45 mm	47.25—45.25	9.2
7.50 to 8.00 mm	45.00—42.25	9.5
8.05mm and flatter	<42.00—	9.8

*Powers greater than -7.00 require a 9.2 diameter regardless of base curve.

LENS FITTING:

- Lens should center well with mid-peripheral alignment and slight central pooling.
- **Excessive Movement**
 - Reduce diameter of lens (min. of 0.3mm)
 - Remake with steeper base curve (min. of 0.1mm) (0.50D)
- **Minimal Movement**
 - Increase diameter lens (min. of 0.03D)
 - Remake with flatter base curve (min. of 0.1mm) (0.50D)
- **Lens Rides High**
 - Reduce diameter (min. of 0.3mm)
 - Remake with steeper base curve (min. of 0.1mm) (0.50D)
 - If lens is lenticular, remake with single cut
 - Increase the center thickness
 - Consider adding base down prism
- **Lens Rides Low**
 - Loose Lens: Reduce diameter (min. of 0.3mm) lens or remake with steeper base curve (min. of 0.1mm) (0.50D)
 - Tight Lens: Remake with flatter base curve (min. of 0.1mm) (0.50D) or increase diameter (min. of 0.3mm)
- **Lateral Decentration**
 - Reduce diameter (min. of 0.3mm)
 - Remake with steeper base curve (min. of 0.1mm) (0.50D)

Note: The base curve has an increasing radius from center to edge and is fit to have a mid-peripheral bearing, so that reducing the diameter will reduce edge lift and create less movement.

SYMPTOM RESOLUTION:

- **Acuity - the over-refraction is valid only if the lens centers well.**
 - It is recommended that over refraction be performed utilizing hand-held lenses and a trial frame.
 - Measure distance and near acuities in normal room illumination.
 - Always leave over-refraction in place and re-check near and distance acuities.

• Near visual acuity is not acceptable

If patient is wearing Unilens GP or Quantum Thin:

- Add +0.25D to +0.50 to non-dominant eye.
- Evaluate near vision binocularly.
- If vision is improved with little or no compromise to distance vision, make appropriate change to lens power.
- If distance vision is compromised or near vision is not improved, use current lens in dominant eye and GP Plus or QT High in non-dominant eye.
- If near vision is still not acceptable, use Unilens GP Plus or QT High ADD in both eyes.

If patient is wearing Unilens GP Plus or QT High in both eyes:

- Add additional plus to non-dominant eye until near vision is improved and distance vision is still acceptable binocularly.

• Distance visual acuity is not acceptable

If patient is wearing Unilens GP or Quantum Thin:

- Add -0.25D up to -0.50D to dominant eye.
- Evaluate distance vision binocularly.
- If distance vision is improved with little or no compromise to near vision, make appropriate change.
- If no improvement reduce add power in dominant eye.

If patient is wearing Unilens GP Plus or QT High ADD:

- Add -0.25D up to -0.50D to dominant eye.
- Evaluate distance vision binocularly.
- If no improvement use appropriate Unilens GP or QT in dominant eye and current lens in non-dominant eye.

Unilens
CORP., USA
www.unilens.com

TO PLACE AN ORDER OR FOR CONSULTATION
CALL 1-800-446-2020

READY-TO-ORDER CHART

Note: These measurements have already been converted to finished lens parameters.

Calculated Base Curve

Assumes 1.75D steeper than Flat 'K'

	For "Flat K" of	Order this Base Curve	For "Flat K" of	Order this Base Curve	
9.8 DIAM	39.00	8.25	44.62	7.25	9.2 DIAM
	39.12	8.25	44.75	7.25	
	39.25	8.20	44.87	7.25	
	39.37	8.20	45.00	7.20	
	39.50	8.15	45.12	7.20	
	39.62	8.15	45.25	7.15	
	39.75	8.10	45.37	7.15	
	39.87	8.10	45.50	7.15	
	40.00	8.05	45.62	7.10	
	40.12	8.05	45.75	7.10	
40.25	8.00	45.87	7.05		
40.37	8.00	46.00	7.05		
40.50	8.00	46.12	7.05		
40.62	7.95	46.25	7.00		
40.75	7.95	46.37	7.00		
40.87	7.90	46.50	7.00		
41.00	7.90	46.62	7.00		
41.12	7.85	46.75	6.95		
41.25	7.85	46.87	6.95		
9.5 DIAM	41.37	7.80	47.00	6.90	
	41.50	7.80	47.12	6.90	
	41.62	7.80	47.25	6.90	
	41.75	7.75	47.37	6.85	
	41.87	7.75	47.50	6.85	
	42.00	7.70	47.62	6.85	
	42.12	7.70	47.75	6.80	
	42.25	7.65	47.87	6.80	
	42.37	7.65	48.00	6.75	
	42.50	7.60	48.12	6.75	
9.2 DIAM	42.62	7.60	48.25	6.75	
	42.75	7.60	48.37	6.70	
	42.87	7.55	48.50	6.70	
	43.00	7.55	48.62	6.70	
	43.12	7.50	48.75	6.65	
	43.25	7.50	48.87	6.65	
	43.37	7.45	49.00	6.65	
	43.50	7.45	49.12	6.60	
	43.62	7.45	49.25	6.60	
	43.75	7.40	49.37	6.60	
43.87	7.40	49.50	6.55		
44.00	7.35	49.62	6.55		
44.12	7.35	49.75	6.55		
44.25	7.35	49.87	6.55		
44.37	7.30	50.00	6.50		
44.50	7.30				

Unilens GP and Unilens GP *Plus* are available in Fluoroperm 30, Fluoroperm 60 and Paragon HDS.

Calculated Power

Compensated -1.50D, vertexed for Unilens Powers

For Spec Rx Dist. Sphere	Order this Power
1.00	-0.50
0.75	-0.75
0.50	-1.00
0.25	-1.25
0.00	-1.50
-0.25	-1.75
-0.50	-2.00
-0.75	-2.25
-1.00	-2.50
-1.25	-2.75
-1.50	-3.00
-1.75	-3.25
-2.00	-3.50
-2.25	-3.75
-2.50	-4.00
-2.75	-4.25
-3.00	-4.50
-3.25	-4.75
-3.50	-5.00
-3.75	-5.25
-4.00	-5.50
-4.25	-5.50
-4.50	-5.75
-4.75	-6.00
-5.00	-6.25
-5.25	-6.50
-5.50	-6.75
-5.75	-7.00
-6.00	-7.00
-6.25	-7.25
-6.50	-7.50
-6.75	-7.75
-7.00	-8.00
-7.25	-8.25
-7.50	-8.50
-7.75	-8.50
-8.00	-8.75
-8.25	-9.00
-8.50	-9.25
-8.75	-9.50
-9.00	-9.75
-9.25	-10.00
-9.50	-10.00
-9.75	-10.25
-10.00	-10.50

Quantum Thin and Quantum Thin High Add are available in Paragon Thin UV.