

C·VUE GP MULTIFOCAL Front Aspheric Contact Lens Fitting Guidelines

SUGGESTED PATIENT CRITERIA:

- Variable ADD powers up to +3.00D in 0.25D increments
- Corneal astigmatism up to 3.00D

LENS SELECTION:

Parameters

All Lenses are made to order.

IF CORNEAL CYLINDER IS:	SELECT BASE CURVE:	
	<u>Flat K Steeper than 42.00D</u>	<u>Flat K Flatter than 42.00D</u>
0.25D to <1.00D	0.25D steeper than K	On flat K
1.00D to <2.25D	0.50D steeper than K	0.25D steeper than flat K
2.25D to 3.00D	0.75D steeper than K	0.50D steeper than flat K

IF BASE CURVE SELECTED IS:	(DIOPTER)	SELECT DIAMETER OF:
7.20 mm and steeper	>46.75	9.2
7.21 to 7.40 mm	46.75-45.62	9.3
7.41 to 7.60 mm	45.50-44.50	9.4
7.61 to 7.80 mm	44.37-43.25	9.5
7.81 mm and flatter	< 43.25	9.8

Note: For cylinder > 1.00 D add 0.2 mm to overall lens diameter

Distance power Selection

Determine distance power by compensating for vertex if sphere is greater than $\pm 4.00D$. Adjust sphere power accordingly if BC selected is steeper than flat K.

ADD Power Selection

Match Spectacle Rx, using the least add patient will accept.

LENS FITTING:

- Lens should center well in straight-ahead gaze and translate up to 1mm in reading gaze.
- Measure distance and near acuities binocularly in normal room illumination.
- When prescribing the ADD power, centration becomes more critical as ADD power increases.
- Spherical changes of +0.25D can significantly improve overall vision in some patients.

Note: The aspheric and bifocal optics of this design require lens translation of approximately 1mm for consistent multifocal performance.

LENS FITTING continued:

- Excessive movement, intermittent vision
 - Steepen BC by 0.05mm (0.25D) or increase diameter by 0.3mm.
- Minimal movement
 - Flatten BC by 0.50mm (0.25D) or decrease diameter by 0.3mm.
- Lens rides high
 - Steepen BC by 0.05 mm (0.25D) or increase diameter by 0.3 mm.
- Lens rides low
 - Flatten BC by 0.05mm (0.25D) or decrease diameter by 0.3mm.
- Lateral Decentration
 - Steepen BC by 0.05 mm (0.25D) or increase diameter by 0.3 mm.

SYMPTOM RESOLUTION:

- Acuity
 - 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.
- Note: Always leave over-refraction in place and re-check near and distance acuities binocularly.
- Near vision is not acceptable and lens centers well
 - Inadequate movement - flatten BC by 0.05mm (0.25D).
 - Adequate movement - add +0.25D to +0.50D to non-dominant eye.
 - If no improvement change to a higher add on non-dominant eye.
 - If near vision is improved with little or no compromise to distance vision make appropriate change.
 - Distance vision is not acceptable and lens centers well
 - Add -0.25D 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 distance vision is not acceptable or near vision is not improved decrease add power in dominant eye.
 - If distance vision is still not acceptable decrease add power in both eyes.



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