



PUPIL DIAMETER GUIDE



FITTING GUIDE

EMPIRICAL FITTING PROCEDURE

1. Measure patients pupil size (each eye) using the Pupil Diameter Guide above.
(measure in normal room illumination)
2. Select Base Curve and Diameter from Selection Chart.
3. Select Distance Power using full spherical power from spectacle Rx, calculating for vertex effects if greater than ± 4.00 . Adjust for SAM or FAP based on base curve selection.
4. Select near power using full add power from spectacle Rx.
5. Order Lens from X-Cel Contacts.

BASE CURVE SELECTION CHART

Corneal Astigmatism	Choose Base Curve	Diameter
None	On Flat K	9.2mm - 9.8mm
0.25D to 0.50D	0.25D steeper than Flat K	9.2mm - 9.8mm
0.75D and greater	0.50D steeper than Flat K	9.2mm - 9.8mm





FITTING TIPS

BASE CURVE SELECTION:

- Choose Base Curve the same as for spherical single vision GP fits. CV-4 Base Curve Selection Chart can be used for guidance.
- Goal is to fit a lens that positions centrally.

DIAMETER SELECTION

- Lenses must be made with a diameter between 9.2mm and 9.8mm.

DISTANCE POWER SELECTION

- Use full spherical distance power based on patient's spectacle Rx. Calculate for vertex distance effect if over $\pm 4.00D$. Adjust for SAM and FAP from the CV-4 Base Curve Selection Chart.

VISUAL ACUITY ANALYSIS

- Both distance and near vision should be evaluated with the patient holding his/her head in the straight-ahead position.
- Some translation may occur upon downward gaze. This should not affect near acuity.

FOLLOWING INITIAL FIT:

1. Allow lens to settle for up to 20 minutes
2. Over-refract to determine distance Rx
3. Over-refract to determine near Rx
4. **Re-check pupil size**
5. Communicate any subjective patient complaints to an X-Cel Consultant.

